

EN 545:2010

ISO 2531

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
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Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	

ductile iron pipe water use iso 2531 EN545 2010



ductile iron pipe water use iso 2531 EN545 2010, which can be used in water supply and drainage project.

Details

Featured character:

Joint- T type rubber gasket:

The installation of T type rubber gasket is quick simple, and convenient. Such gaskets can bear larger deflection angle and tolerance, lowering the technical requirement of installation. T type rubber gasket is a kind of self-sealed gasket, and the installation just requires putting the socket into the bell mouth and pressing the gasket tight, thus guaranteeing the sealing performance of gaskets.

Inner anti-corrosion layer:

the inner layers of ductile iron pipes are centrifugally sprayed with cement mortar. Cement

lining complies with the international standard ISO 4179, ensuring the mortar strong and smooth. The motor coating will not fall off or foul, and its thickness is even, ensuring the drinking water transferred by the pipes get good protection.

Protective coating: The zinc spraying of ductile iron pipes could protect the pipes proactively through the electrochemical effect of zinc and iron. With the high chlorinated resin paint, the pipes will get enhanced anticorrosion protection.

The surface zinc spraying of each pipe is not less than 130 g/m², and complies with ISO 8179 standard. We can also increase the zinc spraying thickness or spray zinc & aluminum alloy layer according to the customers 'demand.

Specification

Joint Structure:T-type joint and Restrained pipe joint

Internal and external protections:

Internal: Cement mortar lining complying with ISO 4179 EN 545:2010

External: Metallic zinc coating + bitumen complying with ISO 8179 EN 545:2010

Others: FEB coating/Epoxy painting/ 3 PE coating

Mechanical Properties of ductile iron pipes and fittings



金相试验
Metallographic test



光谱分析
Spectrum analysis

标准 Standard	产品 Product	公称直径 Nominal Diameter DN(mm)	抗拉强度 Tensile strength N/mm ²	屈服强度 Yield strength N/mm ²	伸长率 Elongation %	硬度 Hardness HB
ISO2531 EN545:2010	球墨铸铁管 Ductile iron pipes	DN100 ~ 1000mm	≥420	≥300	10	≤230
		DN1100 ~ 2600mm		≥300	7	
	球墨铸铁管件 Ductile iron fittings	DN80 ~ 2600mm	≥420	≥300	5	≤250



机械性能
Mechanical properties



压扁试验
Ring test

水压试验标准(K9级 ISO2531,EN545:2010标准)
Pressure gauge for hydrostatic testing standard
(Class K9 Standard ISO2531 EN545:2010)

产品 Product	公称直径 Nominal Diameter DN(mm)	抗拉强度 Tensile strength N/mm ²	屈服强度 Yield strength N/mm ²
球墨铸铁管 Ductile iron pipes	100 - 300	50	≥10
	350 - 600	40	
	700 - 1000	32	
	1100 - 2000	25	
	2200 - 2600	18	
球墨铸铁管件 Ductile iron fittings	80 - 300	25	≥10
	350 - 600	16	
	700 - 2600	10	

内外防护

Internal & External Protections

内防护	外防护
管子 管件 水泥砂浆内衬 执行ISO4179 EN545:2010标准	管子 管件 喷锌+沥青漆 执行ISO8179 EN545:2010标准
Internal Protection	External Protection
Pipes & Fittings: Cement mortar lining complying with ISO4179 EN545:2010.	Pipes & Fittings: Metallic zinc coating + Bitumen complying with ISO8179 EN545:2010.

注：亦可按客户要求进行内外防腐。

Note: Other internal and external protections can be done as per customer's requirements.

C-class Pipe Specifications and Parameters>>>

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公称直径 DN 毫米	外径 ^a 毫米	压力等级	公称壁厚 e _{nom} 毫米
Nominal Diameter	Outside Diameter	Pressure standard	Wall Thickness
40	56	C40	4.4
50	66	C40	4.4
60	77	C40	4.4
65	82	C40	4.4
80	98	C40	4.4
100	118	C40	4.4
125	144	C40	4.5
150	170	C40	4.5
200	222	C40	4.7
250	274	C40	5.5
300	326	C40	6.2
350	378	C30	6.3 ^b
400	429	C30	6.5 ^b
450	480	C30	6.9
500	532	C30	7.5
600	635	C30	8.7
700	738	C25	8.8 ^b
800	842	C25	9.6
900	945	C25	10.6
1000	1048	C25	11.6
1100	1152	C25	12.6
1200	1255	C25	13.6
1400	1462	C25	15.7
1500	1565	C25	16.7
1600	1668	C25	17.7

Technical Parameters of "T-Type" joint Centrifugal Ductile Cast iron Pipes

公称直径 DN(mm)	外径 DN(mm)	壁厚 (mm)	承口凸部近似重量 kg	球铁管每米重量 (直管部分)kg	标准工作长度总重量 kg(L=6000mm)	每公里用管数 (根)	每公里敷设重量 (吨)
Nominal Diameter	Outside Diameter	Wall Thickness	Approximate Weight of Socket	Mass Kg/m	Mass Kg/Length	Number of Pipes Per Mile	Pipe weight Per Mile(Tons)
80	98	6.0	3.4	12.2	76.5	167	12.770
100	118	6.0	4.3	15.1	95	167	15.865
150	170	6.0	7.1	22.8	144	167	20.048
200	222	6.3	10.3	30.6	194	167	32.398
250	274	6.8	14.2	40.2	255	167	42.585
300	326	7.2	18.6	50.8	323	167	53.941
350	378	7.7	23.7	63.2	403	167	67.301
400	429	8.1	29.3	75.5	482	167	80.484
450	480	8.6	38.3	89.3	575	167	95.858
500	532	9.0	42.8	104.3	669	167	111.723
600	635	9.9	59.3	137.3	882	167	147.294
700	738	10.8	79.1	173.9	1123	167	187.541
800	842	11.7	102.6	215.2	1394	167	232.798
900	945	12.6	129.6	260.2	1691	167	282.397
1000	1048	13.5	161.3	309.3	2017	167	336.839
1100	1152	14.4	194.7	362.8	2372	167	396.124
1200	1255	15.3	237.7	420.1	2758	167	460.586
1400	1462	17.1	279.3	547.2	3669	167	612.389

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