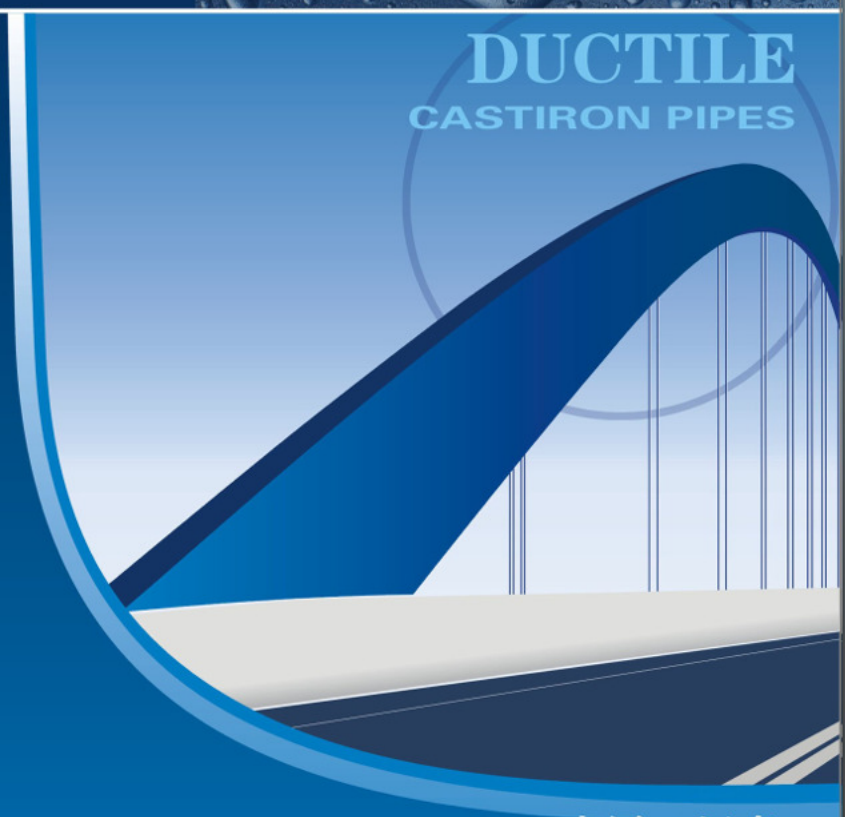




球墨铸铁管

DUCTILE CAST IRON PIPES



中国·河南
HENAN·CHINA



安钢集团永通球墨铸铁管有限责任公司
Angang Group Yongtong Ductile Cast Iron Pipe Co., Ltd.

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For detailed product information and quotation, please contact us.

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安阳钢铁集团有限责任公司（以下简称安钢）是年产钢千万吨级的国家特大型钢铁企业，安阳钢铁股份有限公司是上市公司，始建于1958年，经过近50年的发展，现已成为国家特大型企业，河南省重要的钢铁生产基地。建厂以来，特别是改革开放以来，保持了持续27年盈利的优良业绩，跻身年产钢500万吨的十五大钢铁企业行列。安钢集采矿、炼焦、冶炼及机械加工、冶金建筑、运输商贸于一体，可生产中厚板、硅卷板、高线、螺纹钢、圆钢、角槽钢、球墨铸管等30多个品种，2000余个规格的钢铁产品及化工产品。近年来，安钢先后荣获全国“五一”劳动奖状先进集体、全国优秀企业金马奖、全国思想政治工作优秀企业、河南省突出贡献企业、河南省文明单位等多项荣誉称号。

近年来，安钢始终坚持发展第一要务，致力设备大型化、工艺现代化、产品专业化。产品的附加值和技术含量实现质的飞跃，企业核心竞争力得到垂直提升，已成为在国内外均具较强综合竞争实力的钢铁集团。

Anyang Steel & Iron Group Co., Ltd (hereinafter called Angang) is a large-scale state-owned enterprise. Anyang Steel & Iron Stock Co., Ltd comes into the market. It built in 1958 through development for 50 years, it becomes a large-scale state-owned enterprise, and the most important base for producing steel & iron in Henan province. Since building factory, especially "reform and open", it keeps excellent outstanding achievement for 27 years and enters in 15 steel and iron corporations for producing 5 million ton per year. Its business includes mining, coking, smelting, mechanical machining, metallurgical construction, and transportation trade. Its products belong to 30 series and have above 2000 specifications, including steel plate, twisted steel, round steel, angle steel, ductile cast iron pipe and so on. So for the whole corporation has been rewarded many good reputation for its great contribution to the country.

Angang insists on considering "development" as the first work, and it is determined to enlarge equipment, modernize techniques, and specialize products. The additional value and technical content of products realizes qualitative leap and the competition of corporation improves. It becomes a steel & iron group of the strongest competitiveness in the world.





永通球墨铸铁管有限责任公司是安钢集团的控股子公司，2005年12月30日由安钢集团的水冶钢铁有限责任公司和永通球墨铸铁管有限公司重组成立。

永通铸管公司是中国河南铸造生铁生产基地，原水冶钢铁公司所生产的生铁具有低硫、低铁等特点，曾被中国冶金工业部评为部优产品，99年通过了ISO9002质量体系产品广泛应用于国内大型精密铸造企业，并远销美洲、欧洲、亚洲等十多个国家和地区日本被誉为免检产品。

永通铸管公司生产工艺先进、技术力量雄厚、检验设备齐全、产品质量一流。以优质的球墨铸造用生铁为原料，拥有先进的60m长蓄热式退火炉，年可生产DN80-DN1200的球墨铸铁管25万吨。接口型式有T型、K型及自锚式等，内防腐有水泥砂浆、水泥环氧树脂，外防腐有喷锌+喷沥青漆、喷锌+喷塑。产品广泛应用于输水、输气等领域。公司有较强的研发能力，可满足不同用户需求。

永通铸管公司是中国建筑金属结构协会认定的球墨铸铁管定点生产企业，公司严格按照标准组织生产，先后通过了SGS机构ISO9001；2000国际质量体系认证，EN545；2000品质量认证，ISO2531产品质量认证，国家钢铁产品质量监督检验中心的冶金产品质量职业健康安全/环保双认证，即ISO14001以及GB/T28001-2001体系认证，符合饮用水标准，获得省卫生厅颁发的卫生许可证批件，是河南省免检产品、中国知名铸管产品品牌，“永通”牌球墨铸铁管是中国城镇供水排水协会首批推荐产品。

本公司产品畅销海内外，先后出口到欧洲、非洲、亚洲、北美洲的一些国家，受到的一致好评，诚邀国内外宾朋与永通合作，携手共创美好未来。

Yongtong Ductile Cast Iron Pipe Co., Ltd is a subsidiary of Angang Group. The subsidiaries of Shuiye Iron Co., Ltd and Yongtong Ductile Cast Iron Pipe Co., Ltd made up association on December 30th, 2005.

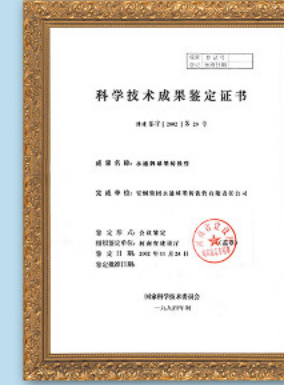
Yongtong Company is the production base of cast iron in Henan province of China, the pig iron made by Iron&Steel Company has characteristic of low P, low S, low Ti. The products have been appraised high quality China Metallurgy Industry Department and have been acquired ISO9002 Quality System Certificate in 1999. Products are widely used in large-scale precise cast corporation, and are sold to America, Europe, Asia and other countries. They are called "free-inspection product" in Japan.

Yongtong Company has advanced producing process, abundant skill, complete inspection equipment, advanced ranking quality. We adopt the material of high quality pig iron for ductile cast, have advanced annealing furnace with capacity of 250000 tons ductile cast iron pipes annual for DN80-DN1200mm. There are T joint, Locked joint and so on. Antiseptic treatment include cement mortar, cement mortar+epoxy inside spraying+bitumen spraying, zinc spraying+plastic spraying outside. The products are widely used in transport water, gas and other fields. Company has stronger developmental ability and satisfies different customer's requirements.

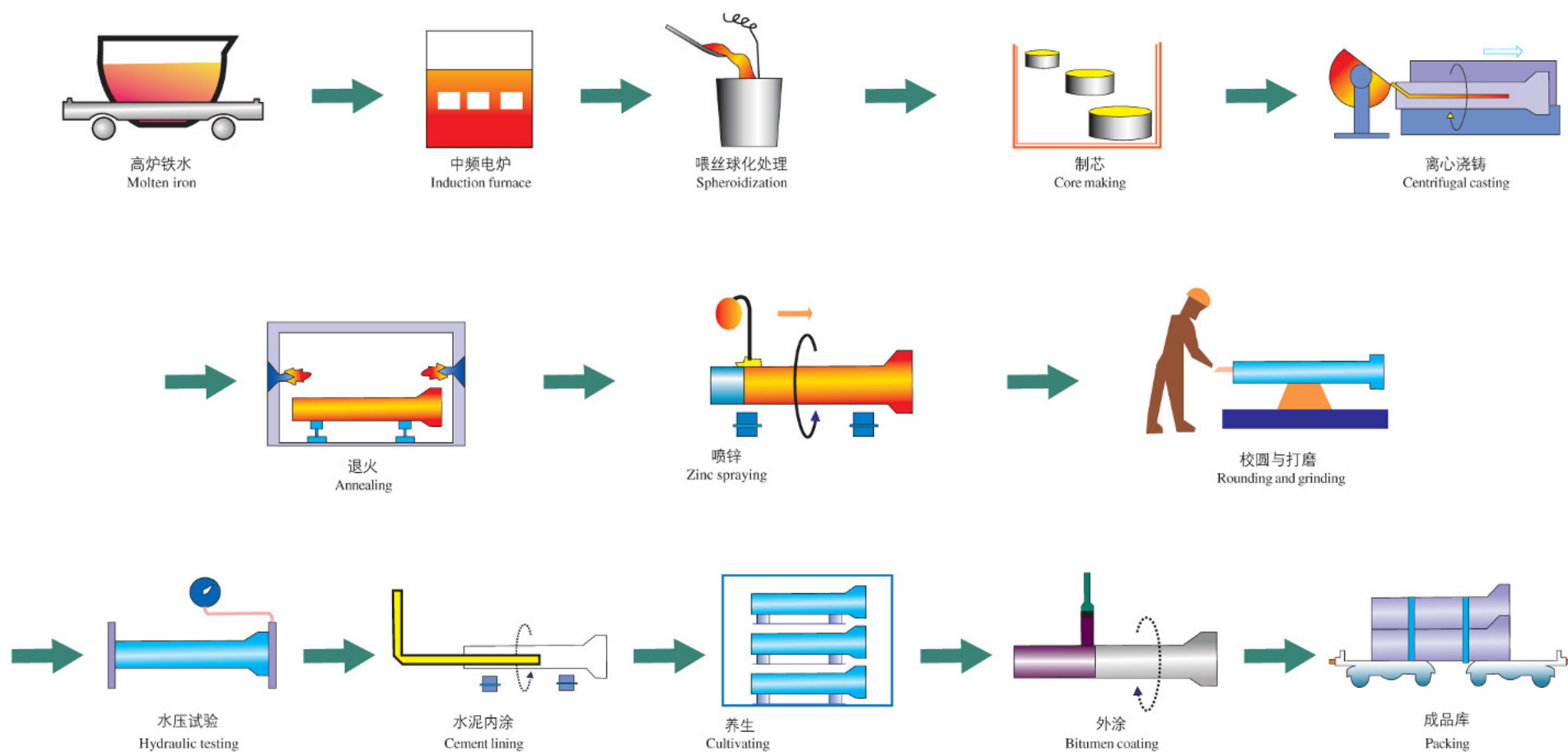
Yongtong Company is considered "Appointment production corporation for producing ductile cast iron pipe China construction metal structure association. Company produces pipes strictly according to international standard and has been acquired "ISO9001; 2000 international quality system certificate" by SGS, "EN545: 2002 quality certificate", "ISO2531 product quality system certificate", "Metallurgy product quality certificate" by iron product quality supervision and inspection center". It has been acquired "Occupation health safety / Protection environment certificate", that is "ISO14001 and GB/T28001—2001 System Certificate". Products accord with standard of Potable Water, we have got "Healthy approved document of healthy product concerning potable water" by province health office". Products are called "free-inspection product" in Henan province, and are ranked on famous ductile cast iron pipe of China. "Yongtong" brand of ductile iron pipe is recommendable product by town supply and drain away water association"

The products are sold overseas and are exported to Europe, Africa, Asia, North America and other countries. All of the products are get-well appraisalment.

Welcome friends from all of countries to Yongtong Company for cooperation and create wonderful future together.



球墨铸铁管生产工艺流程





自锚式接口球墨铸铁管
Ductile cast iron pipe for self-anchored joint



内衬环氧树脂球墨铸铁管
Ductile cast iron pipe for epoxy inside

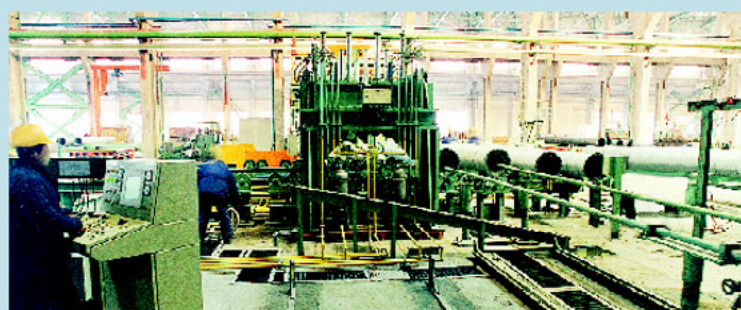
Bitumen coating



Centrifugal casting



水压试验 Hydraulic pressure testing



水泥衬层 Cement lining



终检 Final inspection

T型接口球铁管重量 (GB/T13295-91 标准)

Weight of ductile cast iron pipes with T type joint(GB/T13295-91)

公称直径 DN(mm)	外径 DE(mm)	壁厚T(mm) Wall thickness			承口凸部近 似重量(kg) Socket weight	直部每米重量(kg/m) Unit weight			总重量(kg) (标准工作长度6000mm) Total weight			总重量(kg) (标准工作长度5000mm) Total weight			总重量(kg) (标准工作长度5500mm) Total weight		
		K8	K9	K10		K8	K9	K10	K8	K9	K10	K8	K9	K10	K8	K9	K10
80	98	6.0	6.0	6.0	3.4	12.2	12.2	12.2	77	77	77	64	64	64			
100	118	6.0	6.1	6.1	4.3	14.9	15.1	15.1	93.7	95	95	78.8	79	79			
125	144	6.0	6.0	6.3	5.7	18.3	18.3	19	119	119	121	97	97	100.7			
150	170	6.0	6.3	6.4	7.1	21.8	22.8	22.8	138	144	144	116.1	121.1	121.1	127	132.5	132.5
200	222	6.0	6.4		10.3	28.7	30.6	30.6	183	194	194	153.8	163.3	163.3	168.2	178.6	178.6
250	274	6.0	6.8	7.5	14.2	35.6	40.2	44.3	228	255	280	192.2	215.2	235.7	210	235.3	257.9
300	326	6.4	7.2	8.0	18.9	45.3	50.8	56.3	290	323	357	245.4	272.9	300.4	268.1	298.3	328.6
350	378	6.8	7.7	8.5	23.7	55.9	63.2	69.6	359	403	441	303.2	339.7	371.7	331.2	371.3	406.5
400	429	7.2	8.1	9.0	29.5	67.3	75.5	83.7	433	482	532	366	407	448	399.7	444.8	489.9
450	480	7.6	8.6	9.5	38.3	80	89	99	515	577	632	438.3	483.3	533.3	478.3	527.8	582.8
500	532	8.0	9.0	10	42.8	92.8	104.3	115.6	600	669	736	506.8	564.3	620.8	553.2	616.5	678.6
600	635	8.8	9.9	11	59.3	122	137.3	152	791	882	971	669.3	745.8	819.3	730.3	814.5	895.3
700	738	9.6	10.8	12	79.1	155	173.9	193	1009	1123	1237	854.1	948.6	1044.1	931.6	1035.6	1140.6
800	842	10.4	11.7	13	102.6	192	215.2	239	1255	1394	1537	1062.6	1178.6	1297.6	1158.6	1286.2	1417.1
900	945	11.2	12.6	14	129.0	232	260.2	289	1521	1690	1863	1289	1430	1574	1405	1560.1	1718.5
1000	1048	12.0	13.5	15	161.3	275	309.3	343.2	1811	2017	2221	1536.3	1707.8	1877.3	1673.8	1862.5	2048.9
1200	1265	13.6	15.3	17	237.7	374	420.1	466.1	2482	2758	3034	2107.7	2338.2	2568.2	2294.7	2548.3	2801.3

离心球墨铸铁管与普通的灰铸管壁厚及吨管铺设长度对比 (T型接口)

Comparisons of iron THK laying length between ductile iron pipes and ordinary gray iron pipes(T-Type)

规格 [mm] Specification	离心球墨铸铁管(K9级) ductile iron pipes		普通灰铸管 A级 gray pipes		球管与灰管每吨 铺设长度之比(倍) Ratio of A/B
	壁厚(mm) wall thickness	每吨管可铺设长度 Laying Length Per Ton	壁厚(mm) Wall thickness	每吨管可铺设长度(m) Laying Length Per Ton	
100	6.1	63.8	9.0	42.6	1.49
150	6.3	41.67	9.2	28.41	1.47
200	6.4	30.93	10.1	19.7	1.57
250	6.8	23.53	11.0	14.56	1.62
300	7.2	18.58	11.9	11.30	1.64
350	7.7	14.89	12.8	9.06	1.64
400	8.1	12.45	13.8	7.38	1.69
450	8.6	10.43	14.7	6.17	1.69
500	9.0	8.97	15.6	5.24	1.72
600	9.9	6.80	17.4	3.92	1.73
700	10.8	5.34	19.3	3.03	1.76
800	11.7	4.30	21.1	2.43	1.77
900	12.6	3.55	22.9	1.99	1.78
1000	13.5	2.97	24.8	1.65	1.80
1100	14.4	2.59	27.9	1.43	1.80
1200	15.3	2.20	31.0	1.20	1.80

球墨铸铁管的吊装、运输与储存
吊装

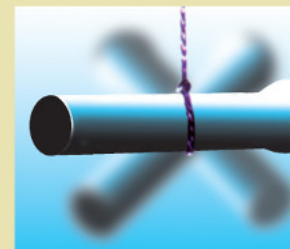
吊管子要小心, 不要让管子晃动, 吊管子可用钢丝绳、吊装带及专用吊索具, 使用钢丝绳时不许用单根, 为保护管子外防腐层, 可用橡胶皮或类似的材料将钢丝绳包起来。使用吊钩时, 为保护水泥衬层不受破坏, 也要将吊钩用橡胶皮或类似材料包起来, 特别是在吊运大口径管子时, 应在吊钩上装一个与管子内径形状相似的垫块。吊运成捆的管子时, 不许将吊钩固定在捆装用钢带上或管子的承插口端。



正确 correct

Pipe hoisting

Take precaution of handling pipe with steel cable, hoisting belts and specialized rigging avoiding from pipe's rocking. While using steel cable, single cable is not admitted, for the purpose of protecting outer anti-corrosion layer, steel cable should be packed by rubber or other similar material. While using hook, it also should be covered with rubber or other similar material for protecting cement lining layer. Especially for pipe with relative large diameter, hook should be mounted a gasket with same shape as internal diameter of pipes while handling. It is not available fixing hook on the steel belts or socket side and spigot side of pipe while handling pipes in bundle.



不正确 incorrect

