



ANSSEN
Metallurgy Group Co.,Ltd



Foundry Consumable

Service World Steel !

公司簡介

大連安森碳棒有限公司坐落於美麗的黃海之濱——東臺市，主要從事於各種規格碳弧氣刨碳棒的設計、研發和制造。現有產品：直流連接式鍍銅碳棒，直流矩形鍍銅碳棒，直流圓形鍍銅碳棒，年產量一億支。安森公司生產設備先進，技術力量雄厚，確保了優異的產品品質。

該產品系列廣泛用於造船工業、鍋爐壓力容器制造、鑄造、鋼鐵行業、化工機械的制造等。

公司採用現代管理方法，嚴格按照ISO9001標準組織生產，同時建立了可靠的保證體系以確保產品的優良品質。我們的產品進銷美國、英國、西班牙、塞爾維亞、墨西哥、馬來西亞、澳大利亞以及其他歐洲和東南亞各國，贏得了海內外的贊譽。

Introduction

ANSSEN gouging electrode plant located in the beautiful Huanghai beach, Dongtai city, which is engaged in designing, R&D and manufacturing various types of Gouging Electrodes: DC Copper Coated Jointed Gouging Rods, Dc Copper Coated Flat Gouging Rods, DC Copper Coated Pointed Gouging Rod, the annual productivity is one hundred million pieces. ANSSEN has advanced equipments with strong technology to make sure all models are of good quality. The series of products have a wide use on shipbuilding, boiler pressure vessel making, casting steel, iron&steel, mechanic and chemical makings, etc.

ANSSEN adopts modern management methods and established a reliable quality assurance system and make production strictly according to the ISO9001 standards. Our products are exported to the USA, UK, Mexico, Spain, Serbia, Malaysia, Australia, etc. ANSSEN's quality has won praise from home and abroad.



Air-arc Gouging Electrode

Product Techniques: This product is based on graphite, felted by asphalt and modeled with thermal-extruding machine and finished by thermal electroplating.

Product Capability: The product is used for incising, digging, drilling, welding, etc. It's available for mild steel, cast steel, stainless steel, pure steel and other metals.

Product Advantages: It's easy to operate, having wide range of applications, good quality with competitive price.

Executive standard: Machine industry Standard of PRC:JB/T8154-2006 *Air-arc Gouging Carbon Electrodes*, Machine Industry Standard of PRC:JB/T8679-1998 *Air-arc Gouging Carbon Electrodes usage and experimental measures*.

Technical standard: All the Technical standards are conform to the clause 4 of industry standard JB/T8154-2006 *Air-arc Gouging Carbon Electrodes*.

Instructions:

1. The electrode must be kept dry, if it is affected with damp , it must be dried before use.
2. When it's used for the direct current, the electrode shall be linked to the anode and the work-piece to the cathode.
3. Keep the working air pressure from 0.5Mpa to 0.6MPa steadily.
4. The arc distance between Gouging Carbon Electrodes and work-piece is 3mm and the electrodes shall be outside of the clamp about 100mm.
5. The Gouging Carbon Electrodes and work-piece must have a angle 45° and conduct along the tangent(or in a beeline) direction.
6. Keep the working place ventilated when the product is used. Operate as per the work current limit.

Photos of workshop



Pointed Gouging Electrodes (D.C.)



Application:
For gouging cutting and boring

型號	直徑x長度 (Dia x Length)		工作電流 (安培)
Model	毫米 (mm)	英寸 (Inches)	Current range(A)
B503.2	3.2x305	1/8X12"	130-180
B504	4x305 (355)	5/32X12"(14")	150-200
B505	5x305 (355)	3/16x12"(14")	200-250
B506	6x305 (355)	15/64x12"(14")	300-350
B506.5	6.5x305 (355)	1/4x12"(14")	320-370
B507	7x355	9/32x14"	350-400
B508	8x305(355)(510)	5/16x12"(14")(20")	400-450
B509	9x305 (355)	23/64x12"(14")	450-500
B510	10x305(355)(510)	3/8x12"(14")(20")	500-550
B511	11x305 (355)(510)	7/16x12"(14")(20")	600-650
B512	12x305(355)	15/32x12"(14")	750-850
B513	13x305(355)(430)(510)	1/2x12"(14")(17")(20")	800-1000
B516	16x355(430)(510)	5/8x14"(17")(20")	1000-1200
B519	19x355(430)(510)	3/4x14"(17")(20")	1200-1400

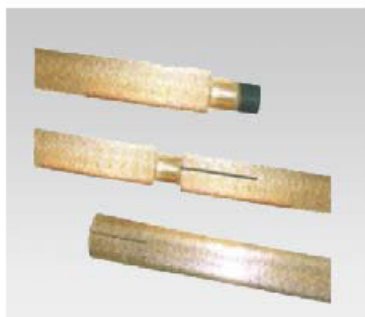
Flat Gouging Electrodes (D.C.)



Application: Excellent cutting & removing of the weldments and castings' burrs, to repair and make dies.

型號	長x寬x長度 (Length x Width x Length)		工作電流 (安培)
Model	毫米 (mm)	英寸 (Inches)	Current range(A)
B5412	4x2x355	5/32x15/32x14"	200-250
B5510	5x10x355	3/16X3/8x14"	250-300
B5512	5x12x 355	3/16X15/32x14"	300-350
B5515	5x15x305(355)	3/16X19/32x12(14")	350-400
B5518	5x18x355	3/16X45/64x14"	400-450
B5520	5x20x355	3/16X25/32x14"	450-500
B5525	5x25x355	3/16X63/64x14"	500-550
B5620	6x20x355	15/64X25/32x14"	550-600

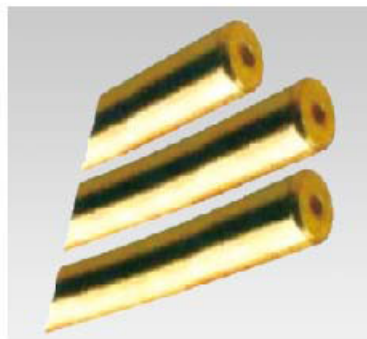
Jointed Gouging Electrodes (D.C.)



型號	長x寬x長度 (Length x Width x Length)		工作電流 (安培)
Model	毫米 (mm)	英寸 (Inches)	Current range(A)
BL508	8x355	5/16 x14"	500-550
BL509	9x355	23/64X14"	550-600
BL510	10x355(430)	3/8X14(17)"	600-650
BL511	11x355(430)	7/16X14(17)"	650-700
BL512	12x355(430)	15/32X14(17)"	700-800
BL513	13x430(510)	1/2X17(20)"	800-1000
BL516	16x430(510)	5/8X17(20)"	1000-1200
BL519	19x430(510)	3/4X17(20)"	1200-1400
BL525	25x430	1X17"	1400-1600

Application: Used for either automatic or manual torches. Continuous electrodes feed and eliminate stub loss.

Hollow Gouging Electrodes(D.C.)



型號	直徑x長度(Dia x Length)		工作電流 (安培)
Model	毫米 (mm)	英寸 (Inches)	Current range(A)
B505	5x305(355)	3/16x12"(14")	150-250
B506.5	6.5x305(355)	1/4x12"(14")	200-300
B508	8x305(355)	5/16x12"(14")	300-400
B509	9x305(355)	23/64x12"(14")	350-450
B509.5	9.5x305(355)	3/8x12"(14")	350-450
B511	11x305(355)	7/16x12"(14")	400-500
B512.7	12.7x305(355)	1/2 x12"(14")	500-600

Application: Has more efficient metal removal than normal pointed solid electrodes with less smoke while using. Used for removing, producing shaped "U" groove.

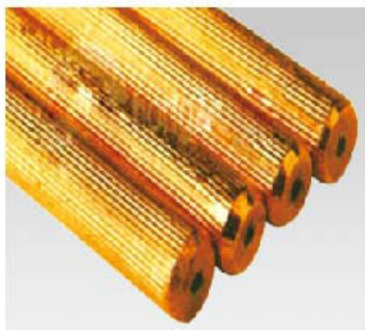
Blasting Gouging Electrodes(D.C.)



型號	直徑x長度(Dia x Length)		工作電流 (安培)
Model	毫米 (mm)	英寸 (Inches)	Current range(A)
B503.2	3.2x305(355)	1/8X 12(14")	130-180
B504	4x305(355)	5/32X 12"(14")	150-200
B505	5x305(355)	3/16x 12"(14")	200-250
B506	6x305(355)	15/64x 12"(14")	300-350
B506.5	6.5x305(355)	1/4x 12"(14")	320-370
B507	7x 305(355)	9/32x 12"(14")	350-400
B508	8x305/(355)(510)	5/16x12"(14")(20")	400-450
B509	9x305(355)	23/64x12"(14")	450-500
B510	10x305(355)(510)	3/8x12"(14")(20")	500-550
B511	11x305(355)(510)	7/16x12"(14")(20")	600-650
B512	12x305(355)	15/32x12"(14")	750-850
B513	13x305(355)(455)(510)	1/2x12"(14")(18")(20")	800-1000
B516	16x305(355)(455)(510)	5/8x12"(14")(18")(20")	1000-1200
B519	19x305(355)(455)(510)	3/4x12"(14")(18")(20")	1200-1400
B525	25x305(355)(455)(510)	3/4x12"(14")(18")(20")	1200-1400

Application: Designed for high current users and are very suitable for finishing work of hard alloys and castings with amazing high efficiency.

Pointed Gouging Electrodes(A.C.)



型號	直徑x長度(Dia x Length)		工作電流 (安培)
Model	毫米 (mm)	英寸 (Inches)	Current range(A)
B505	5x305(355)	3/16x 12"(14")	150--200
B506.5	6.5x305(355)	1/4x 12"(14")	200-330
B508	8x 305 (355)	5/16x12"(14")	300-400
B509	9x305 (355)	23/64x12"(14")	350-450
B509.5	9.5x305(355)	23/64x12"(14")	350-450
B511	11x 305(355)	7/16x12" (14")	400-500
B512.7	12.7x 305(355)	1/2x 12" (14")	500-600

Application: Used with alternating current. This type can strike more stable arc to make the operation more efficient.

Sampling Spoon

Made by ceramic fiber, the spoon can be used as a tool to spoon the liquid metal (especially liquid iron) or pouring spoon for small work-piece casting.

The metal handle can be attached to longer steel pipe.

Volume: 0.15L & 0.40L

Max. working temperature: 1700 °C



Multi-dip Thermocouple

Type: S, R, B

Cardboard: ID 18 + /-1mm, D 30 + /-1mm

Length: 300, 600, 900mm, etc.

Application: For liquid iron temp. measurement, can be used continuously by more than 7 times.

Test rate: >98% ; Response time: <5s

According to the different thermocouple wire, thermocouple can be divided as:

Type	+leg	-leg
R	PtRh13%	Pt
S	PtRh10%	Pt
B	PtRh30%	PtRh6%

Type	Max.working°C	Wire diameter(mm)
R	1760°C	0.04
S	1760°C	0.04
B	1800°C	0.04



Liquid Iron Samplers

Specialized samplers used for molten iron, which can be used in a wide range of molten bath conditions.

To meet the customers' different requirements, we have a wide range of samplers to meet your needs and satisfy every application. We can also produce the products as per your required specifications.



Submerged Liquid Iron Sampler

Ingot Mould

Ingot mould is a kind of cast iron moulds to manufacture the steel ingot. It is the indispensable mould equipment in steel plant.

About the ingot mould, we can supply flat ingot mould, round ingot mould, square ingot mould, polygonal ingot mould.

The flat ingot mould is mainly used to produce steel rolling thick steel billet, unit weight is between 11 and 60mt, the material is gray cast iron. Now we can supply standard model flag ingot mould : 11.6T、13.4T、16T、19T、20T、23T、25T、26T、29T、31T、33T、35T、40T、45T、48T. The round ingot mould is mainly used to produce forged steel billet, unit weight is between 2 and 150mt, the material is gray cast iron.

Now we can supply standard model round ingot mould: 16 edge forged mould 10–48mt (including 18 models).

Small round ingot mould is mainly used to produce steel bar, the unit weight is 1–30mt, the material is ductile cast iron and gray cast iron.

Square ingot mould is mainly used to produce rolling steel billet, the material is ductile cast iron and gray cast iron.

Hot top material is ductile cast iron and gray cast iron.

Ingot mould according to cast steel ingot weight can be divided into large, medium and small.

Ingot mould model types	Cast Ingot weight/T
Large	>10.0
Medium	3.0~10.0
Small	<3.0

Our advantage:

1. Under Normal Use, we ensure our ingot mould useful time is 30times before restoration, steady quality, the mould consumption is about 18kg/mt; after restoration by customer, the consumption can reach 14kg/mt.
2. Material: Gray cast iron and Ductile Cast Iron
3. Unit Weight: 1-200mt
4. Short production period

We had export our ingot mould to America, France, our products enjoy high reputation.



Polygonal Ingot Mould



Square Ingot Mould



Round Ingot Mould



ANSSEN 
Metallurgy Group Co., Ltd

✉ : sales@anssen.com

☎ : + 86-411-8439 0809
+ 86-411-8439 0807

☎ : + 86-411-8439 0806

🌐 : www.anssen.com