Shandong Xin Wugang Steel

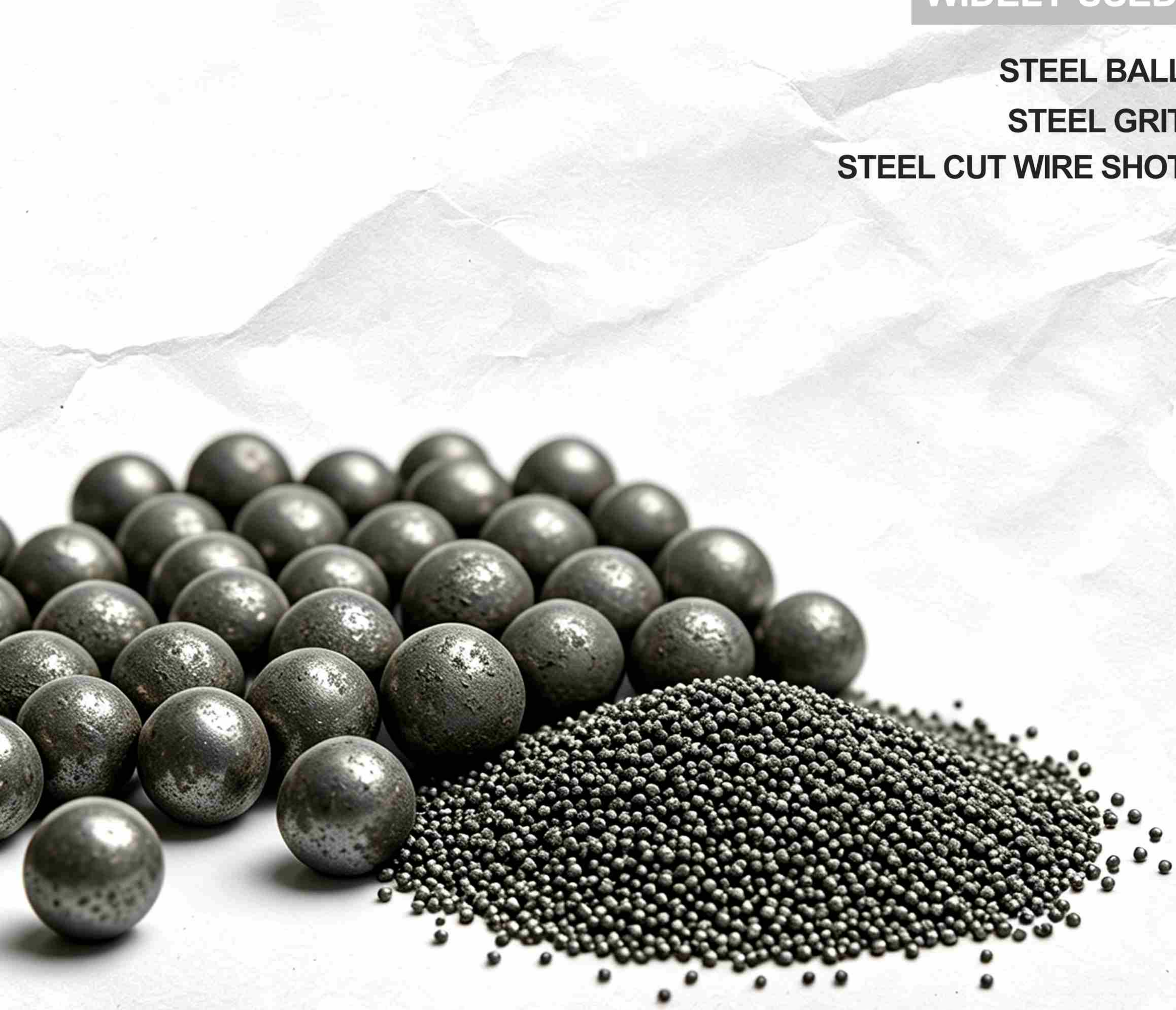
METAL ABRASIVES AND GRINDING MEDIA

WIDELY USED

STEEL BALL

STEEL GRIT

STEEL CUT WIRE SHOT



About us.

山东鑫武钢铁有限公司是一家综合性钢铁企业，深耕钢铁行业多年，依托完善的产业链布局、先进的生产装备、严苛的质量体系和贴心的全域服务，稳步发展为具有竞争力与口碑的标杆型钢铁企业，广泛服务于基建工程、机械制造、汽车工业、钢结构等多个核心领域。公司秉持客户至上、诚信为本、服务为先的经营宗旨，打造一站式全周期贴心服务体系。持续为客户提供高品质钢铁产品与一站式优质服务，致力于打造国内一流的现代化钢铁综合服务商与各界合作伙伴携手共赢、共创未来!

Shandong Xinwugang Steel Co., Ltd. is a comprehensive iron and steel enterprise with years of profound experience in the steel industry. Backed by a complete industrial chain layout, advanced production equipment, stringent quality management systems and thoughtful all-round services, we have steadily grown into a benchmark steel enterprise with strong competitiveness and a solid reputation. Our products widely serve a host of core sectors including infrastructure engineering, machinery manufacturing, automobile industry and steel structure construction.

Adhering to the business tenets of "customer supremacy, integrity-based operation and service first", the company has built a one-stop full-cycle considerate service system. We consistently supply high-quality steel products and all-in-one premium services to clients, and strive to become a first-class modern comprehensive steel service provider nationwide. We look forward to win-win cooperation and a shared bright future with all partners from all walks of life!

The most dynamic enterprise
and leader in the steel trading industry.

最具活力企业，钢铁贸易行业的领导者。



Product Description

♦ STEEL SHOT





Description- Steel Shot :

Mainstream specifications:

1. SAE Standard Model (American Standard)

SAE standard grain size grades: S70, S110, S170, S230, S280, S330, S390, S460, S550, S660, S780, S930, S1110, S1320, S1560

2. European Standard EN Model

EN 14231 Particle Size: S0.2, S0.3, S0.4, S0.6, S0.8, S1.0, S1.2, S1.4, S1.7, S2.0, S2.5, S3.0, S3.5, S4.0

3. Russian GOST Standardized Models

StSh Series (StSh = Steel Shot): StSh 0.2, StSh 0.4, StSh 0.6, StSh 0.8, StSh 1.0, StSh 1.2, StSh 1.6, StSh 2.0, StSh 2.5, StSh 3.0

Sub-models: StSh-M (low-carbon plain steel shot), StSh-V (high-hardness wear-resistant steel shot)

Standard: GB/T 18838-2018、EN 14231:2019、SAE J444、ASTM A1067、JIS G 5901、GOST 11964-81、GOST 21073-2017、ISO 11124-1

Grade: Q235, 65Mn, 70# High Carbon Steel、1010、1070、1080、C45、C60、C70、Ст10、Ст45、Ст65、Ст70

Corresponding to particle size diameter: SAE S70=0.2mm / S110=0.3mm / S170=0.4mm / S230=0.6mm / S280=0.8mm / S330=1.0mm / S390=1.2mm / S460=1.4mm / S550=1.7mm / S660=2.0mm / S780=2.5mm / S930=3.0mm / S1110=3.5mm / S1320=4.0mm

The Russian standard has a particle size of 0.2~4.0mm, with complete coverage every 0.2mm

Hardness performance grade:

Grade 1 Soft Steel Ball: HV320~400, low-carbon material, thin steel plate, aluminum alloy workpiece cleaning, not easy to scratch the substrate

Grade 2 Medium medium hard steel shot: HV400~520, universal rust removal, steel structure shot blasting (global procurement main force)

Grade 3 Hard high hardness quenched steel shot: HV520~620, fatigue strengthening for springs, gears, and high-strength workpieces

Grade 4 Ultra Hard: HV620~700, heavy-duty mining equipment, thick steel plate with anti-corrosion pretreatment

Impurity level: Standard Clean, Low Sulfur Low Phosphorus (for precision aerospace workpieces)

Surface: Quenching and tempering bright treatment, passivation anti rust coating, oil-free clean polishing (aviation specific), black skin original cast state (economical type)

Application: Steel structure works: rust removal and shot blasting of H-shaped steel, steel plate and bridge components, oxide skin removal, and paint adhesion improvement (required by the Belt and Road and Russian infrastructure)

Marine Grade Heavy Anti Corrosion Steel Ball Pre treatment for Ship Steel Plates, Containers, and Offshore Platforms

Automotive manufacturing: Surface strengthening of frames, chassis, springs, and gears to eliminate stress fatigue

Mechanical Heavy Industry: Sand and Rust Removal for Construction Machinery, Mining Equipment, and Machine Tool Castings

Aviation Precision: Fine Cleaning of Soft Steel Balls for Aluminum Alloy and Titanium Alloy Parts (Low Sulfur Low Phosphorus Grade)

Pipeline anti-corrosion: Shot blasting pretreatment for the inner and outer walls of oil and gas transportation steel pipes

Product Description

♦ STEEL GRIT





Description- Steel Grit :

Mainstream specifications:

①American SAE standard model

G12、G14、G16、G18、G25、G40、G50、G80、G120、G180、G240、G320

② European standard EN particle size model

G0.2、G0.3、G0.5、G0.8、G1.0、G1.2、G1.5、G2.0、G2.5

③Russian GOST standardized model (GOST 11964-81)

The СтГ series (СтГ=Стальная Кроチка steel sand): СтГ0.2、СтГ0.4、СтГ0.6、СтГ0.8、СтГ1.0、СтГ 1.2、СтГ1.6、СтГ2.0

Subdivision: Kant Г - H ordinary steel sand, Kant Г - T high hardness wear-resistant steel sand

Standard: GB/T 18838； EN 14231； SAE J444； ASTM A1067； JIS G5901； GOST 11964-81、GOST 9045 ； ISO 11124-2

Grade: 70 #, 82B high carbon steel; Made from crushed high carbon wire rods with Russian standards of 65 and 70

Conventional standard size: Particle size of 0.2~2.5mm, with full coverage of coarse and fine particle sizes; Packaging: 25kg bag, 1-ton bag, 50kg metal drum;

Russian standard particle size of 0.2~2.0mm, suitable for Eurasian shot blasting equipment.

Hardness performance grade:

Medium Hard Grit HV450~550: General rust removal, rough surface roughening

Hard Grit HV550~680: Severe corrosion, thick oxide scale, stone etching

Ultra Hard Grit HV680~780: Cleaning of mining wear-resistant parts and hard alloy workpieces

Edge grade: Sharp Angular (strong cutting), Semi Angular (medium cutting)

Surface: Quenching, crushing and shaping of edges and corners, passivation with anti rust oil, dust-free and clean treatment (precision sandblasting)

Application:

Anti corrosion coating: roughening the rough surfaces of steel structures, storage tanks, and pipelines to enhance coating adhesion (the cutting force of steel grit is much greater than that of steel shot)

Ship repair: removal of severe rust on the hull, deck, and ballast tanks

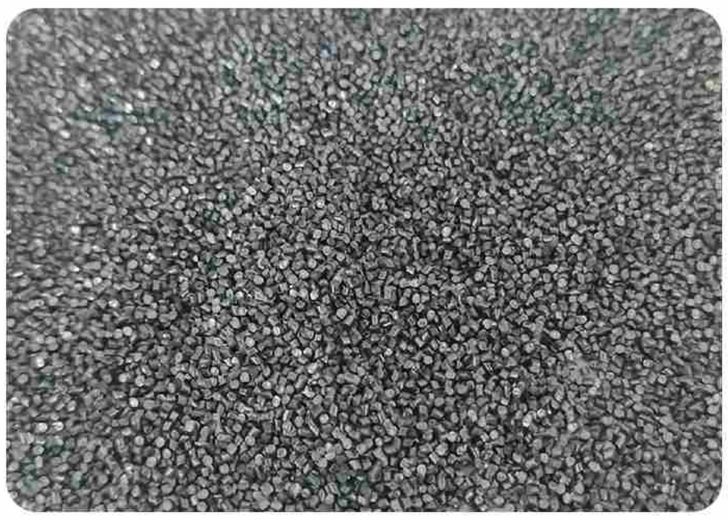
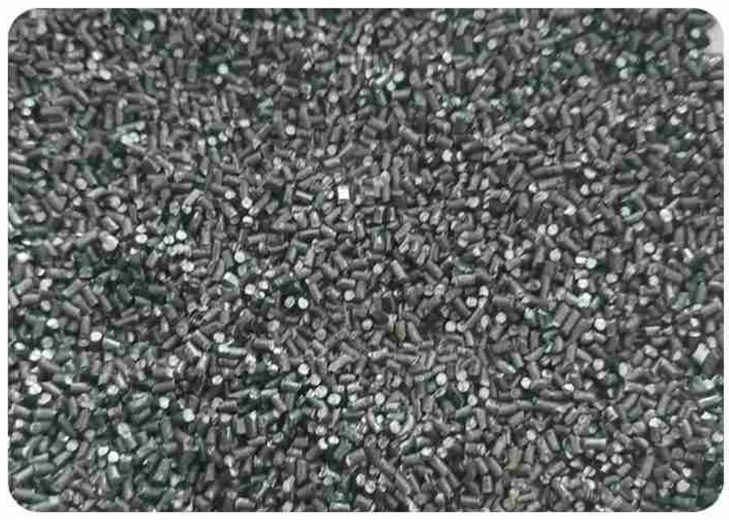
Stone processing: surface etching of marble and granite, matte antique treatment

Mold manufacturing: rough casting of mold cavity, removal of welding slag and oxide scale

Bridge engineering: deep rust removal of large steel box girders and tower crane components

Product Description

◆ STEEL CUT WIRE SHOT

Description- Steel Cut Wire Shot :

Mainstream specifications:

①International wire diameter standardized model

0.4mm、0.6mm、0.8mm、1.0mm、1.2mm、1.5mm、1.8mm、2.0mm、2.5mm、3.0mm

Overseas British Mark: SWG18 #~SWG6 # Cut Pills

②European standard EN model:

CW0.4、CW0.6、CW0.8、CW1.0、CW1.2、CW1.6、CW2.0、CW2.5、CW3.0

③Russian GOST standardized model (GOST R 58921-2020)

ППС series (ППС=ПроволоЧнаяДробь steel wire cutting pellets): ППС0.4、ППС0.6、ППС0.8、ППС1.0、ППС1.2、ППС1.6、ППС2.0、ППС2.5

Subdivision: Low carbon soft cutting pellets, high carbon quenched hard cutting pellets

Standard: GB/T 343-2012、GB/T 18838； EN 14231； SAE J444； ASTM A555； GOST R 58921-2020、GOST 3547； ISO 11124-3

Grade: Q195, 65Mn, 70 #, 10 #, 65 #, 304, 316L (European standard 1.4301/1.4404), Russian standard 08 X 18 H 10, 03 X 17 H 13 M

Conventional standard size: Cutting length=wire diameter 1:1 standard cutting; Full specifications of wire diameter 0.4~3.0mm;

Packaging: 25kg moisture-proof bag, 1000kg ton bag, metal sealed bucket (special for stainless steel pellet cutting); Russian standard packaging 50kg woven bag.

Hardness performance grade:

Soft Cut Wire HV300~400: Aluminum alloy, copper parts, thin-walled workpieces, no impact scratches

Medium Hard HV400~530: General steel structure, automotive parts shot blasting

Hardened Cut Wire HV530~650: fatigue strengthening of springs and high-strength forgings

Material anti-corrosion grade: Ordinary carbon steel, hot-dip galvanized, 304 stainless steel, 316L seawater resistant stainless steel

Surface: Bright wire drawing cutting, quenching and tempering, galvanized coating, stainless steel hydrogen annealing, rust prevention and passivation treatment

Application:

①Automotive parts: wheel hub, shock absorber spring, chassis forging shot blasting strengthening, not easy to break, long service life

②Nonferrous metals: Fine cleaning of aluminum castings, copper alloys, and magnesium alloys without excessive deep dents

③Stainless steel products: 304/316 stainless steel kitchenware, pipes, pressure vessels sandblasted (stainless steel pellets without carburizing pollution)

④Military precision: surface cleaning of firearm parts and aviation titanium alloy workpieces

⑤Galvanized components: galvanized steel plates, galvanized fence mesh rust removal and renovation, without damaging the original galvanized layer

Product Description

♦ STEEL BALL





Description- Steel Ball :

Mainstream specifications:

①International standard diameter model (mm)

0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10, 12, 15, 20, 25, 30, 40, 50, 60, 80, 100

Imperial inch models: 1/8 ", 1/4", 3/8 ", 1/2", 3/4 ", 1", 1.5 ", 2"

②European standard EN model:

BS series precision steel balls BS0.5~BS100

③Russian GOST standardized model (GOST 3722-2017 bearing steel ball)

ШС series (ШС=Шарик Стальной steel balls): ШС0.5、ШС1、ШС2、ШС3、ШС5、ШС8、ШС10、ШС20、ШС30、ШС 50、ШС80、ШС100

Subdivision: Precision grade bearings, industrial grade grinding, low-carbon ordinary steel balls

Standard: GB/T 308-2019、EN ISO 3290、EN 10132、ASTM A295 (52100 bearing steel) ASTM A555、JIS G4305、JIS G4805、GOST 3722-2017、GOST 5949、ISO 3290

Grade: GCr15、100Cr6（1.3505）、AISI 52100、ШХ15、304、316L、420C、 Russian standard 08 X 18 H 10, 95 X 18 、Q235、1010; Ст10、Ст20

Conventional standard size:

Diameter ranging from 0.5mm to 100mm, with precision specifications every 0.5mm;

Tolerance: G3 level ± 0.001mm, G500 level ± 0.1mm;

Packaging: 1kg/5kg/25kg plastic drums, 1000kg ton bags; Russian standard packaging: 25kg metal drum.

Hardness performance grade: HRC20~30 low-carbon soft balls; HRC58~64 chromium steel quenched hard ball; HRC40~50 stainless steel quenched and tempered ball

Accuracy class:

G3、G5、G10、G16、G20、G28、G40、G60、G100、G200、G500

G3/G5: Ultra high precision aviation bearings, precision instruments (micrometer level tolerances)

G10/G16: High end automotive bearings, machine tool spindles

G20~G60: General mechanical bearings, valves, slide rails (global procurement mainstay)

G100/G200/G500: Industrial Grinding, Weighting, Toy Ordinary Steel Balls

Surface: Quenching and tempering mirror polishing, matte grinding, rust proof oil immersion, stainless steel electrolytic polishing, galvanized carbon steel balls

Application:

Precision bearings: automotive bearings, machine tool spindle bearings, wind turbine bearings, motor micro bearings

Hardware machinery: valve core, slide rail ball, caster, stamping die counterweight

Food and medicine: 304/316 stainless steel grinding balls, mixing equipment ball bearings, sterile conveying accesso-ries

Chemical Grinding: Small Vertical Stirring Mill, Laboratory Grinding Equipment, Medium

Leisure items: marbles, fitness weight balls, craft weight balls

Product Description

♦ GRINDING BALL





Description- Grinding Ball :

Mainstream specifications:

①International Universal Diameter Specification (mm)

10. 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150

②European standard mining model:

GB20、GB30、GB40、GB60、GB80、GB100、GB120、GB150

③Russian GOST standardized model (GOST 7524-2017 ground steel ball)

МШ series (МШ=МельниチныйШар grinding balls): МШ 20, МШ 30, МШ 40, МШ 60, МШ 80, МШ 100, МШ 120, МШ 150

Subdivision: МШ - pL low chromium cast balls, МШ - C medium chromium, МШ - B high chromium, МШ - K forged wear-resistant balls

Standard: GB/T 3518-2019、EN 12513、ASTM A532/A532M、GOST 7524-2017、GOST 21769、ISO 14801

Grade: Low chromium Cr2-3%, medium chromium Cr6-8%, high chromium Cr10-13%、Cr2、Cr8、Cr12、Russian standards X 2, X 6, X 12、45#、65Mn、Russian standard with a tolerance of 45 and 65

Conventional standard size:

Diameter of 20~150mm, standard for mines is 40/60/80/100/120mm;

Packaging: 1-ton bags, 2-ton container bags, bulk shipping by sea

Wear resistance grade:

Grade LC low chromium cast ball: HRC40~48, dry grinding in cement and gravel factories (economical type)

Grade MC chromium balls: HRC48~56, suitable for small-scale gold and iron ore beneficiation

Grade HC high chromium wear-resistant ball: HRC58~65, for large-scale metal ore and non-ferrous metal flotation (a major global procurement for mines)

Grade Forged Forged Steel Ball: HRC50~60, High Impact Semi autogenous Grinding Machine SAG Mill Special, Non Fragile Ball

Surface: Casting blanks, annealing for stress relief, quenching and tempering for wear-resistant treatment, anti rust coating, oil-free clean surface

Application:

Mining beneficiation: grinding media for gold, iron, copper, lead-zinc ore ball mills, and semi autogenous mills.

Cement building materials: cement raw materials, clinker grinding, sand and gravel aggregate crushing.

Chemical powder: ultrafine grinding of kaolin, calcium carbonate, and talc powder.

Thermal power industry: power plant desulfurization limestone grinding ball mill.

Metallurgical smelting: metal ore powder pretreatment, slag crushing and grinding.

Product Description

♦ FORGED BALL





Description- Forged Ball :

Mainstream specifications:

①International Universal Diameter Specification (mm)

10. 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150

②European standard mining model:

GB20、GB30、GB40、GB60、GB80、GB100、GB120、GB150

③Russian GOST standardized model (GOST 7524-2017 ground steel ball)

МШ series (МШ=МельниチныйШар grinding balls): МШ 20, МШ 30, МШ 40, МШ 60, МШ 80, МШ 100, МШ 120, МШ 150

Subdivision: МШ - pL low chromium cast balls, МШ - C medium chromium, МШ - B high chromium, МШ - K forged wear-resistant balls

Standard: GB/T 3518; EN 12513; ASTM A532; GOST R 56782-2015、GOST 7524; ISO 14801

Grade: 45#、60Mn、65Mn、70Mn; Russian standards: 45, 60, 65, 70

Conventional standard size:

Diameter 30-150mm, mainstream 40/60/80/100/120mm;

Packaging: 1-ton bulk bag for sea transportation, supporting whole vehicle bulk shipment

Wear resistance grade:

Grade 1 Standard Forged：HRC48~55， Small and medium-sized ball mills, operating under moderate impact conditions

Grade 2 High Toughness Forged：HRC55~62， Large SAG semi autogenous mill, high hardness ore, anti fragmentation (mainstream procurement from overseas mines)

Grade 3 Ultra Tough Alloy Forged: Adding Cr/Mo alloy, HRC62~68， Specially designed for ultra hard iron ore and high wear mines

Surface: High temperature forging and forming, overall quenching+low temperature tempering, surface oxidation anti rust layer, sandblasting cleaning of rough oxide skin

Application:

①Large scale mining semi autogenous SAG and ball mill: grinding high hardness iron ore, gold ore, and nickel ore, with a much lower crushing rate than casting balls

②Metallurgical non-ferrous metals: copper ore, lead-zinc ore, molybdenum ore flotation production line

③Heavy duty grinding equipment for large cement plants and sand and gravel aggregate plants

④Thermal power desulfurization and coal chemical powder research

Product Description

♦ CAST BALL





Description- Cast Ball :

Mainstream specifications:

①International Universal Diameter Specification (mm)

10. 20, 30, 40, 50, 60, 70, 80, 90, 100, 120, 150

②European standard cast ball model:

CB20、CB30、CB40、CB60、CB80、CB100、CB120、CB150

③Russian GOST Casting Ball Forming Model (GOST 7524-2017)

Copyright series (Copyright=Copyright итой Шар cast balls): Copyright 20, Copyright 30, Copyright 40, Copyright 60, Copyright 80, Copyright 100, Copyright 120, Copyright 150

Subdivision: LIC ШХ 2 low chromium, LIC ШХ 6 medium chromium, and LIC ШХ 12 high chromium cast steel balls

Standard: GB/T 3518-2019； EN 12513； ASTM A532/A532M； GOST 7524-2017、GOST 10994 ； ISO 14801

Grade: Cr2~3%、National standard Cr2;Russian Standard X 2、Cr6~8%、National standard Cr8、Russian Standard X 6 Cr10~13%、National standard Cr12、Russian Standard X 12

Conventional standard size:

Diameter 10-150mm, commonly used in mines as 40/60/80/100/120mm;

Packaging: 1-ton bags, bulk shipping by sea; Low chromium balls can be packaged in 50kg woven bags.

Wear resistance grade:

Low Chrome LC Grade HRC40~48: Low cost, grinding cement, sand and gravel, dry powder, with high wear and tear

Medium Chrome MC Grade HRC48~56: Small and medium-sized gold and non-metal mines with balanced cost-effectiveness

High Chrome HC Grade HRC58~66: Large metal ore and flotation production line, with a 3-fold increase in wear resistance life (preferred for high-end mines worldwide)

Super High Chrome SHC Grade Cr15%+: Special High Corrosion Slurry, Wet Grinding Special

Surface: Sand casting/metal mold casting, deburring annealing, quenching and tempering strengthening, rust prevention spraying

Application:

①Cement and building materials industry: cement raw materials, clinker, limestone grinding (mainstream procurement of low chromium balls)

②Non metallic minerals: kaolin, calcium carbonate, quartz sand, talc powder ultrafine grinding

③Small and medium-sized metal mines: gold and iron ore small-scale beneficiation plants (medium chromium balls)

④Large scale non-ferrous metal mines: copper ore, nickel ore, rare earth ore flotation (high chromium casting balls)

⑤Wet grinding equipment for chemical, coating, and powder materials

Packing and loading







Warehouse >>>> Packaging >>>> Loading

Our Advantages



VERIFICATION OF CONFORMITY

S/N: 022073

No.: **ICR/VC/HM2603311**

Name and address of Applicant: Shandong Xin wugang Steel Co., Ltd. Room 602, No. 9, South Nenjiang Road, Mount Taishan Road East, Jiangguantun Street, Liaocheng Economic and Technological Development Zone, Shandong Province, China

Name and address of manufacturer: Shandong Xin wugang Steel Co., Ltd. Room 602, No. 9, South Nenjiang Road, Mount Taishan Road East, Jiangguantun Street, Liaocheng Economic and Technological Development Zone, Shandong Province, China

Product name: Carbon Steel coil, Steel plate, Steel pipe, steel profile, steel wire, Steelbar, stainless steel pipe, Stainless steel coil /plate/profile, Steel Rail, Steel Ball

Product types: Steel Plate: 0.14mm---500mm, Steel Coil: 0.14mm---25mm, Steel Pipe: 3mm-1020mm*0.3mm---200mm, Steel Wire: 0.15mm--16mm, Round bar: 5mm--600mm, H Beam: 91mm*100mm----1138mm*410mm, I Beam: 76mm*59mm----778mm*269mm, Angle steel: 19mm*19mm---305mm*305mm, Channel: 25*12mm-----457mm*107mm, Steel Ball: 1mm--180mm, Steel Rail: 9---50kg,QU70-120, P65 R65 54E1...

Product trademark: n/a

Verification was carried within following scope:

Information on the Declaration of Conformity:

Result:	Legislation:	Standard:
✓	CPR [(EU) 305/2011]	EN 10210-1:2006 EN 10210-2:2019 EN 10219-1:2006 EN 10219-2:2019 EN 10025-1:2004 EN 10025-2:2019

The assessment process has been carried out in accordance with individual rules and conditions agreed with the applicant. Evaluation has been carried out in accordance with:

Test report: MTZ20260318SCPR

Tests conducted by: Shandong Xin wugang Steel Co., LTD

Issue date: 25.03.2026

Expiration date: 24.03.2031

Remarks:
- VoC was issued on voluntary basis and does not imply meeting all essential requirements listed in Declaration of Conformity.
- For introducing this product on European market may be needed EC/EU-type examination conducted by appropriate Notified Body.

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CEO, ICR Co., Ltd.

Edition: 5.1.1.8 of 06.03.2024

verification проверка verificación verification проверка verificación verification



中泰认证

QUALITY MANAGEMENT SYSTEM CERTIFICATION

Registration NO: 29022Q12696-10R0S

SHANDONG XIN WUGANG STEEL CO., LTD

Unified social credit code:91371500MA94JRBY2K

Registered Address:Room 602, No. 9, South Nenjiang Road, Mount Taishan Road, Liaocheng Economic and Technological Development Zone, Shandong Province

Office Address:Room 602, No. 9, South Nenjiang Road, Mount Taishan Road, Liaocheng Economic and Technological Development Zone, Shandong Province

Business Address:Room 602, No. 9, South Nenjiang Road, Mount Taishan Road, Liaocheng Economic and Technological Development Zone, Shandong Province

Established Quality Management System Accord With

GB/T 19001-2016 idt ISO9001:2015 standard

Through the certification scope is as follows

Sales of steel (including export)

The release date for the first time: 21-10-2022

The issuance date: 21-10-2022

Will be valid until: 20-10-2025

Issuer:

ZhongTai Union Certification Co., LTD.
Tel: +86 028-62521000 www.ztccc.cn

0036650



统一社会信用代码 91371500MA94JRBY2K

营业执照

名 称 山东鑫武钢铁有限公司
类 型 有限责任公司(自然人独资)
法定代表人 邹庆友
经营范围 一般项目：金属材料销售；金属材料制造；金属制品销售；金属结构销售；高性能有色金属及合金材料销售；新兴金属功能材料销售；金属材料及制品销售；有色金属合金销售；高性能有色金属及合金材料制造；化工产品销售（不含许可类化工产品）；机械设备销售；金属制品研发；安全产品销售；货物进出口；（除依法须经批准的项目外，凭营业执照依法自主开展经营活动）

注册资本 壹仟万元整
成立日期 2021年07月27日
住 所 山东省聊城经济技术开发区洪官屯海道泰山路路东坡江路海9号鲁四东华办公楼602室

登记机关 2026 年 06月 26 日

国家市场监督管理总局监制



中国制造网 认证供应商

AUDITED SUPPLIER

Shandong Xin Wugang Steel Co.,LTD

山东鑫武钢铁有限公司

SGS

CERTIFICATE

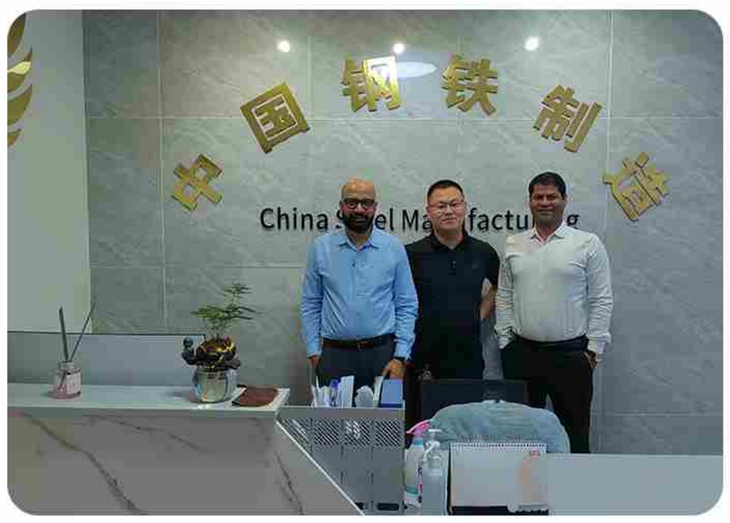






PRODUCTION EQUIPMENT

Our Advantages



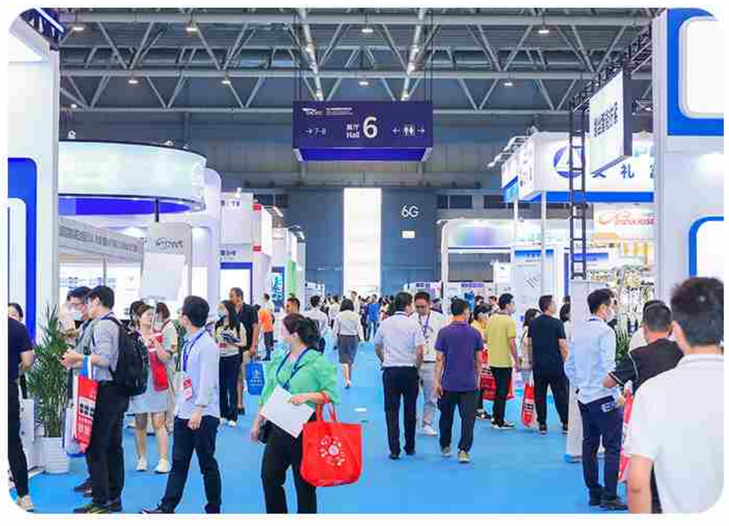




CUSTOMER VISIT







EXHIBITION

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Jiangguantun Street, Liaocheng Economic and Technological Development Zone, Shandong Province

