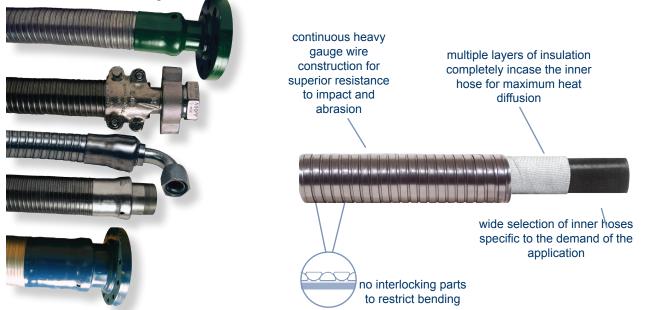
GSM Ball-Joint Armored Hose



Applications:

- industrial hose applications where reliable resistance to external forces are essential to productive performance of machinery and equipment
- proves economically useful where industrial hose is subject to extreme heat, abrasion and continuous flexing
- mill applications include, but not limited to: material handling, coke oven processing, blast furnace, electric arc furnace, basic oxygen furnace, continuous caster, rolling and finishing mills

Features:

- continuous GSM armor construction provides an extremely flexible and durable protection for longer hose service
- multiple layers of heat resistant insulation is applied for maximum diffusion and absorption of heat
- inner hose selected to meet specific installation requirements for hydraulic, water, gases, grease, and steam applications
- every GSM hose is assembled by expertly trained professionals insuring hoses have been inspected, cleaned and verified for intended service prior to shipment

Materials:

- inner hose: reinforced industrial rubber, hydraulic, stainless steel braided metal and PTFE
- insulation: multiple layers of 1000°F rated fiberglass insulation
- GSM Ball-Joint Armor: galvanized or stainless steel
- variety of end connections available: 150# and 300# flanges, Dixon Cam & Groove, Hammer Unions, MNPT, FJIC, code 61 and more

Sizes:

- ¹/₄" through 16" bore
- lengths up to 100 ft
- contact Dixon Specialty Products for custom lengths and fabrications



Dixon Specialty Products 225 Talbot Blvd. Chestertown, MD 21620

The Right Connection®

Customer Service: 888.226.4673 Fax: 410.778.1958 dixonvalve.com

Dixon, founded in 1916, is a premier manufacturer and supplier of hose couplings, valves, dry-disconnects, swivels, and other fluid transfer and control products. The company's global reach includes a wide range of products for numerous industries including petroleum exploration, refining, transportation, chemical processing, food & beverage, steel, fire protection, construction, mining and manufacturing. Dixon's strategic objective is to create solutions that make products safer, leak-free, longer lasting, and always available.



GSM Ball-Joint Armored Hose

Steel Mill Process

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QUALITY • SERVICE • MANUFACT

SERVICE • MANUFACTURING

QUALITY

MANUFACTURING

SERVICE

QUALITY

NUFACTURING •

Refining: Raw and Recycled Materials

Coke Oven: coke battery, pusher, "Larry" car, quench car





Iron Ore



Coke

Limestone



2" GSM Water Cooling Hose with EZ Boss Lock Cam & Groove: • stainless steel GSM armor protects the hose from corrosion increases service longevity of the



Blast Furnace

GSM Hydraulic Hose is the Itimate protection from external

abuse, impact and kinking for industrial machinery

Blast Furnace: tap hole drill, mud gun, PCI (pulverized coal injection), Bosh and Tuyere



GSM Hydraulic Hose: • spec: 100R2, 100R12, & 100R13

• exposed GSM hose withstands the

the furnace

slag and sparks in close proximity of

GAM Hose • spec: ISO 10380, single and double braided metal hose (supplied only with GSM armor) intended for applications that require high pressure and high temperature options



aterial Handling: scrap grapple, pot hauler, slag emoval and charging systems

The Steel Mill Life Cycle Primary Process: Melting

BOF: Oxygen lance hose, water supply and return lines and hydraulic hose





Oxygen Lance Hose: • spec: LW65 smooth bore rubber hose is proven for efficient metallurgy and reduced blow time

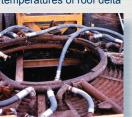


• spec: 350E

GSM Water Cooling Hose: continuous armor design compensates for movement, vibrations and withstands the extreme temperatures of roof delta

Basic Oxygen

Furnace



Electric Arc

Furnace

processes EAF: • charging bucket, tuyere, oscillator, tilt cylinder, slide gate and water cooling

systems

8" GSM Water Hose with

206 series Hammer Union:

GSM armor protects hose

from being compromised

and from premature failure

during critical furnace cooling





Tilt Cylinder:

 heavy gauge wire resists sparks and slag during the charging stage

dixonvalve.com

Dixon Specialty Products

Recycled Stee

GSM Armor provides a continuous

overlapping barrier without restricting the

flexibility of the hose

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Dixon Specialty Products

Water Cooling Hose: · GSM bender hose. on the bottom of caster eliminates frequent, time







GSM Slide Gate Hose: GSM hydraulic hose, reduces the need for

repairs during charges provides a safer work environment

Continuous Caster:

· mold caster, tundish

car, bender and

straightener

GSM Armored PTFE Hose:

- suitable for conveying oils, gases, fuels and steam • specification: true ID smooth bore, open pitch convoluted, and nominal 100R14
- stainless steel braid, 1000°F insulation, GSM armor
- silicone fire sleeve options available



Pouring Ladle and Ingot Molds

GSM flexibility permits close guarter situations and small bend radii



Secondary Process and Finishing: Cast and Roll

Hot Strip & Rolling Mills benefit from GSM armor and insulation by reducing hose fatigue caused by high temperatures and abrasive environments

Bloom

Billet

Slab

Secondary Applications: reheat furnace, peel bar roll stand water, pinch roll cylinder and more

Finishing Mill Applications utilize the GSM armor where longer hose service life reduces repetitive repairs, replacements and down time.



Finished Products

OUR VALUE PROPOSITION Dixon is committed to delighting our customers by being the easiest company they do business with every day.

SERVICE Customer service that supports our customers before, during, and after the sale.

QUALITY MANUFACTURING Innovative manufacturing that continues to build the Dixon brand recognized by our customers as "The Quality Line"

PRODUCT MIX Broad product offering that provides our customers with market based solutions supported by extensive customer training.



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GSM Torch cut-off hose will reduce maintenance caused by exterior abrasion and blows from the cutting process

