



The Right Connection®

GSM Armoured Hose

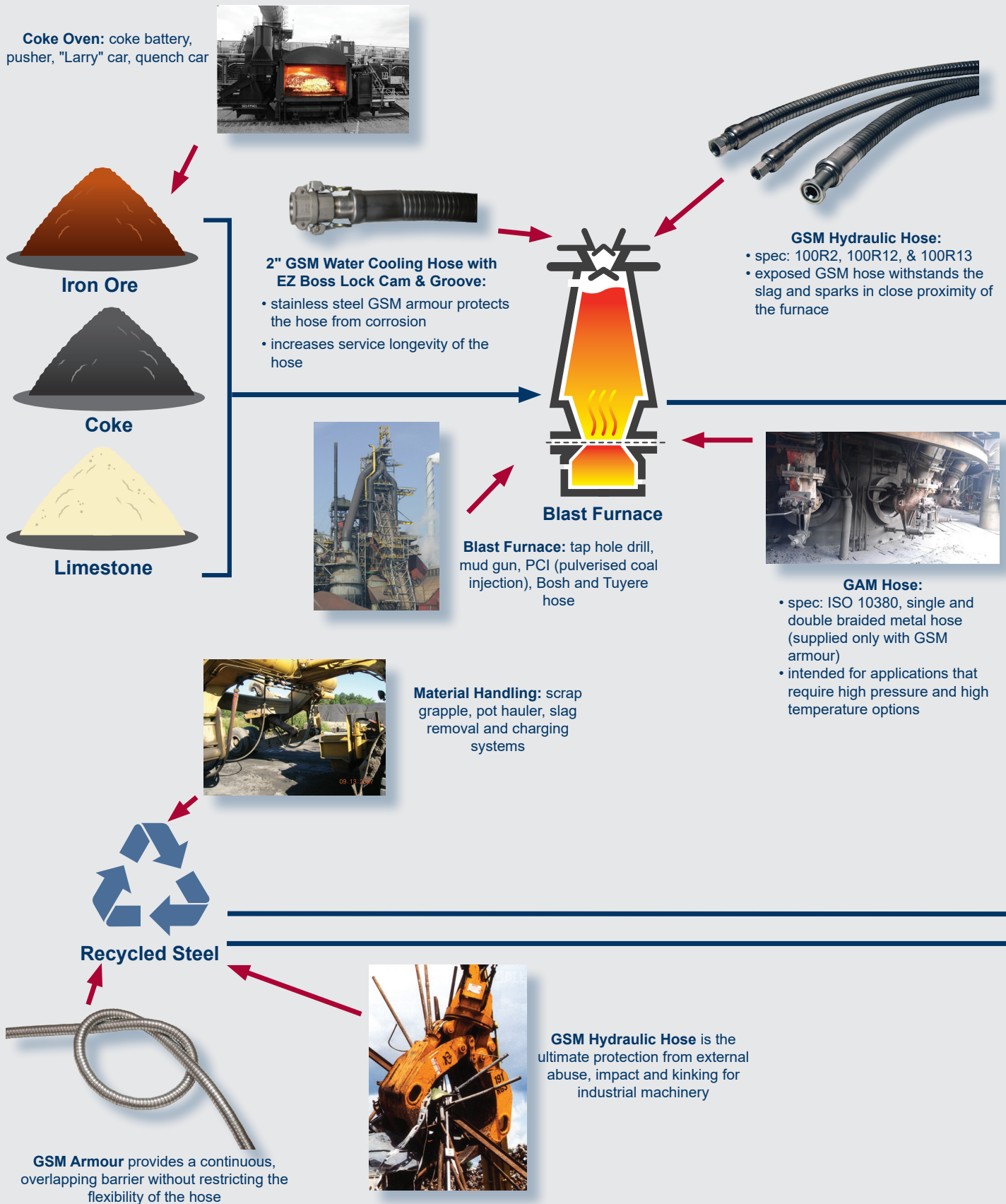
Steel Mill Applications

Customer Service: **+44 (0)1772 323529**
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www.dixoneurope.co.uk

Refining: Raw and Recycled Materials



Primary Process: Melting

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

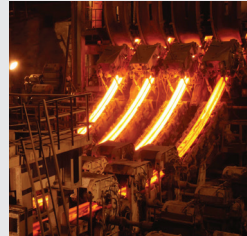


Oxygen Lance Hose:

- spec: LW65
- smooth bore rubber hose is proven for efficient metallurgy and reduced blow time

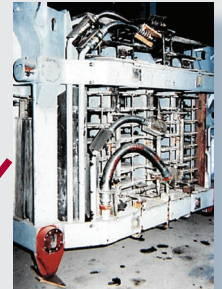
Continuous Caster:

- mold caster, tundish car, bender and straightener

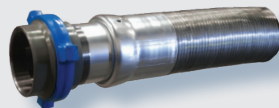


Water Cooling Hose:

- GSM bender hose, on the bottom of caster eliminates frequent, time consuming repairs



Basic Oxygen Furnace



8" GSM Water Hose with 206 series Hammer Union:

- spec: 350E
- GSM armour protects hose from being compromised and from premature failure during critical furnace cooling processes

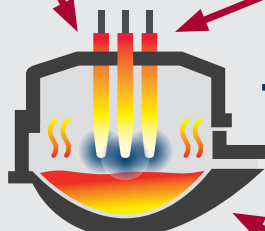
GSM Water Cooling Hose:

- continuous armour design compensates for movement, vibrations and withstands the extreme temperatures of roof delta



EAF:

- charging bucket, tuyere, oscillator, tilt cylinder, slide gate and water cooling systems

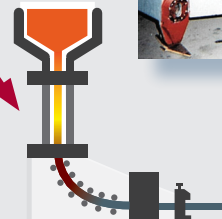


Electric Arc Furnace



Tilt Cylinder:

- heavy gauge wire resists sparks and slag during the charging stage



Continuous Caster

GSM Slide Gate Hose:

- GSM hydraulic hose, reduces the need for repairs during charges, provides a safer work environment



GSM Armoured 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 armour
- silicone fire sleeve options available



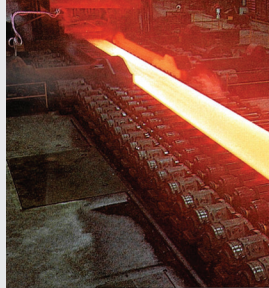
Pouring Ladle and Ingot Molds

GSM flexibility permits close quarter situations and small bend radii



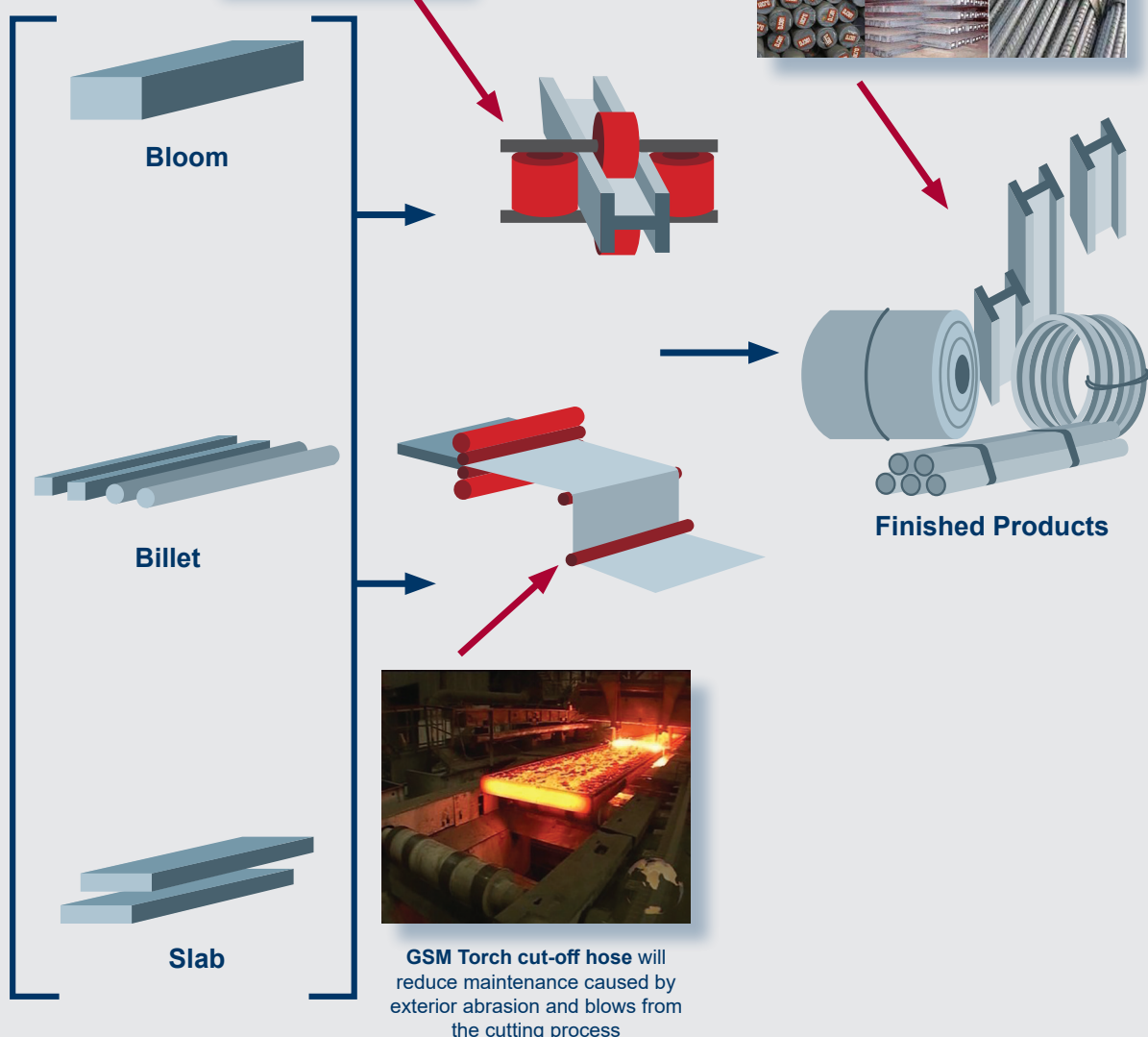
Secondary Process and Finishing: Cast and Roll

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

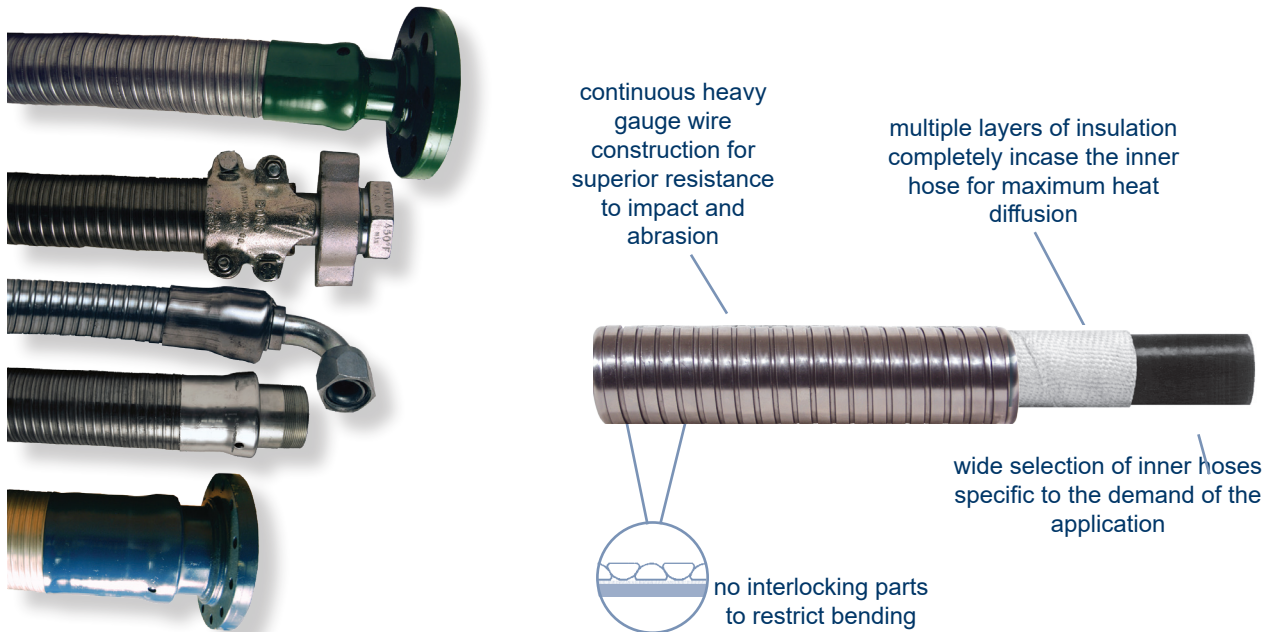


Secondary Applications: reheat furnace, peel bar, roll stand water, pinch roll cylinder and more

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



DIXON GSM BALL JOINT ARMoured 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 armour 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

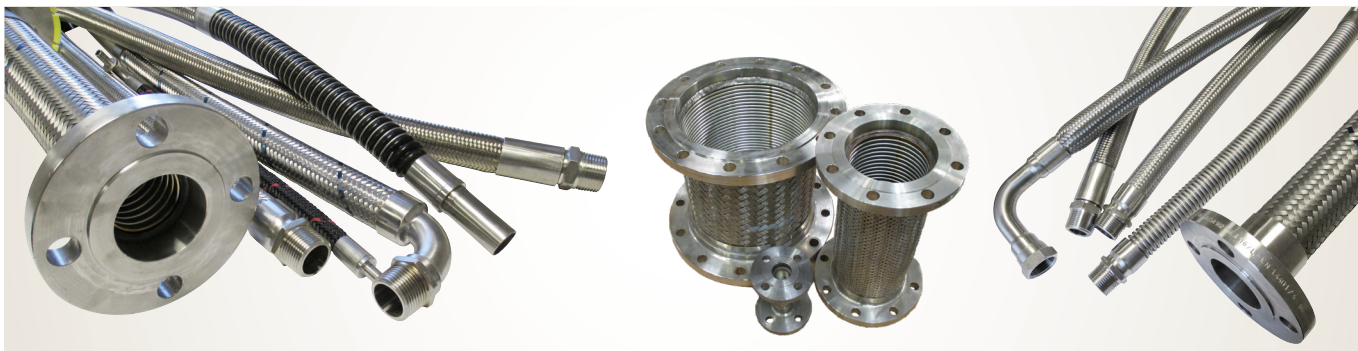
Materials:

- inner hose: reinforced industrial rubber, hydraulic, stainless steel braided metal and PTFE
- insulation: multiple layers of 1000°F rated fiberglass insulation
- GSM Ball-Joint Armour: 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:

- ¼" through 16" bore
- lengths up to 100 ft
- contact Dixon Specialty Products for custom lengths and fabrications

METALLIC HOSE ASSEMBLIES



Application:

Versatile robust hose suited to high pressure, high temperature and corrosive applications, flexible metal hoses can accommodate angular movements, temperature expansion, vibration and misalignment.

Dixon offers a variety of metallic hose options suited to individual applications including steam, compressed air, petrochemical and vacuum.

Material:

- Hose: AISI 316L or AISI 321 stainless steel & exotics
- Braid: AISI 304

Features:

- Metal hose assembly meeting the requirements of class 1 of the EN ISO 10380 standard

Sizes:

- 6mm to 300mm

Temperature Range:

-200°C to +650°C

Options:

- Convuluted core only
- Single, double or triple braid
- HP & THP high pressure
- Standard and close pitch constructions
- Radiograph, NDT or Dyepen
- Various end connections

ASSOCIATED PRODUCTS



Rubber Hose Assemblies



Quick Release Couplings



Hose Fittings & Accessories



Valves



Cam & Groove



Fire Protection



Dry Breaks



Swivel Joints

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