

資料室だより

BISI Translation 紹介

— No 29 —

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資料委員会では 1965 年より業界の協力のもとに共同購入してまいりました。

次に列記いたしました Title は最近入手したもので、複写は禁止されておりますので閲覧のみに限ります。

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BISI Translations List No. 611~615

Management Planning and Control

- BISI 8006 (Linder, H. & Seibring, H.)
Self-ignition of organic substances on insulators.
[Chemie-ing. Techn., 1971, (11), 667-671] (G)
- BISI 9799 (W. H. Mieth)
Tasks and organization of technico-economic staff departments in the German Steel Industry.
[Stahl Eisen, 1971, 91, 1020-29] (G)
- BISI 9848 (J. Lemfeld)
Application of dynamic programming to an organizational model of the metallurgical industry, [Hutn. Listy, 1971, (6), 382-6] (Cz)
- BISI 10099 (G. Macchioni)
Spare parts management.
[Ricerca Operativa, 1971, (4), 5-10] (I)

- BISI 10127 (German Standard)
Iron and steel systematic designation.
[German Standard DIN 17 006 Sheet 4, 1949, Oct.]
- BISI 10172 (German Standard)
Breaking off and rounding of decimal numbers.
[DIN 1333, 1969, May]

- BISI 10175 (Anon.)
Conventional designation of steels. Supersedes UNI 3344 [Ital. Standard UNI 5372-64, Mar. No. 7 tabelle] (I)
- BISI 10176 (Italian Spec.)
Mechanical testing of metals. symbols and definitiong. [Italian Spec. UNI 552-64 No. 19 tabelle]

Physical Structure of Materials and Crystallography

- BISI 9812 (M. Židek & B. Kubíčkova)
The effects of temperature, chemical composi-

tion and structural state on the deformation strength of steel.

- [Sbornik VSB Ostrava, 1969, (3), 19-46] (Cz)
- BISI 10032 (Obolenskii, V. I. et al.)
The structural recrystallisation and properties of medium-carbon steel communication-1
[Izv. VUZ' Chern. Met., 1971, (11), 158-161] (R)
- BISI 10261 (V. I. Obolenskii et al.)
Structural recrystallization and the properties of medium-carbon steel-Rep. 2.
[Izv. VUZ Chern. Met., 1972, (1), 148-151] (R)

Physical Metallurgy and Metallography

- BISI 8016 (S. Gunnarson)
Structure anomalies in the surface zones of gas-carburized, case-hardened steel.
[Jernkon. Ann., 1962, 146, (5), 383-402] (Sw)
- BISI 9857 (A. Kalivoda)
Effect of reheating rate on carbide reactions in martensite tempering.
[Hutn. Listy, 1971, (4), 288-291] (Cz)
- BISI 10260 (M. I. Linchevskaya)
Electron microscope study of structure in 15kh MFKR-steel after heat treatment simulating a welding cycle. [Izv. VUS Chern. Met., 1972, (1), 132-135] (R)

Physical Properties and Chemical Analysis

- BISI 9858 (M. Hartl, et al.)
Analysis of solid pig iron samples by means of a vacuum quantometer.
[Hutn. Listy, 1971, (4), 301-303] (Cz)
- BISI 9985 (Shevelev, V. M. and Berdnikov, V. I.)
Formation of gas bubbles in porous plugs.
[Izv. VUZ. Chern. Met., 1971, (10), 48-53]

(R)

BISI 10004 (T. K. Willmer & K. Zimmermann)
The determination of the forms of combination
of nitrogen in alloy steels.
[Arch. Eisenh., 1971, 42, Dec. 877-882] (G)

BISI 10045 (Jamar, J.)
Considerations the kinetics of solidification.
[Fonderie Belge, 1971, (6/7), 139-149] (F)

Mechanical Properties and Material Defects

BISI 9932 (J. Jech and J. Hajek)
Testing and evaluation of the quality of rolling-
contact-bearing steels.

[Hutn. Listy, 1971, (10), 716-723] (Cz)

BISI 10307 (A. I. Stroganov et al.)
The behaviour of non-metallic inclusions in
circulating currents of metal.

[Izv. VUZ Chern. Met., 1972, (2), 64-67] (R)

BISI 10312 (L. S. Livshits, et al.)
Influence of structural state on crack propaga-
tion energy in low alloy steels.

[Stal', 1972, (2), 167-169] (R)

Corrosion and Corrosion Testing

BISI 9936 (S. Nemeček)
Cyclic accelerated tests indicating the resistance
of materials to cavitation and corrosion.
[Strojirenstvi, 1971, (10), 616-619] (Cz)

Protection of Materials

BISI 10159 (French Standard)
Hot dip galvanized steel tubes. specification
for zinc coatings. [NF A 91-141, 1968, Dec]

BISI 10180 (E. Kunze)
The pickling mechanism for unalloyed steels in
inhibited and inhibitor-free acids.
[Corrosion Week, Budapest, 1968, Oct. 213-224]
(G)

BISI 10162 (German Standard)
Zinc coating on steel tubes, technical conditions
of delivery. [DIN 2444, 1971, July]

BISI 10173 (German Standard)
Steel pipes-formulae for calculating wall thick-
nesses of pipes subjected to internal pressure.
[German Standard DIN 2413, 1970, Jan]

BISI 10335 (P. Tardy)
The hot dip galvanizing of steels'.
[Vasipari Kutato' Intezet, 1967, 3, 658-668]
(Hungary)

Rolling

BISI 9779 (G. D. Del', et al.)
Investigation of stresses in the stock in sheet
rolling. [Izv. VUZ Chern. Met., 1971, (8),
90-94] (R)

BISI 9816 (Z. Zamyslovsky)
Effect of hot rolling conditions on the mecha-
nical properties of universal mill plate.
[Sbornik VSB Ostrava, 1969-1972] (Cz)

BISI 9998 (A. F. Chekmarev, et al.)
Changes in deformation resistance along the
length of the deformation zone during the hot
rolling of low-carbon structural steels.
[Inst. Chern. Met. Prok. proizv., 1970, 34, 62-
71] (S)

BISI 10250 (Starchenko, D. I. et al.)

Improvement in the bulb-strip steel rolling
process. [Stal' 1972, (1), 65-66] (R)

BISI 10258 (V. N. Vydrin and L. A. Barkov)
Consumption of energy and efficiency of rolling
on a smooth barrel in multiple-roll passes.
[Izv. VUZ Chern. Met., 1972, (1), 100-103]
(R)

BISI 10309 (D. I. Starchenko et al.)
The effect of cold rolling conditions on strip
roughness [Izv. VUZ Chern. Met., 1972, 15,
(2), 93-95] (R)

BISI 10310 (A. I. Grishkov)
Rolling radius when rolling in passes.
[Stal', 1972, (2), 144-146] (R)

BISI 10316 (V. A. Shilov and V. K. Smirnov)
The reduction coefficient, specific pressure and
deformation torque during the square pass roll-
ing of a hexagonal bar [Izv. VUZ Chern.
Met., 1972, 15, (2), 104-109] (R)

BISI 10321 (B. A. Tsifrinovich, et al.)
Change in the longitudinal gauge variation of
the strip in a wide strip mill during a variable
speed procedure [Stal', 1972, (2), 137-140]
(R)

BISI 10322 (J. Dupont)
Improvements to a merchant bar mill.
[CDS. Circ., 1972, (2), 475-486] (F)

Metalworking, Excluding Rolling

BISI 9802 (K. H. Fonck)
Stretch extrusion a new method of manufac-
turing cans. [Neue Verpackung, 1970, 33, (11),
1592-1594] (G)

BISI 9813 (O. Pejcoch)
An analysis of the deformation zone in a roll
piercing mill from the point of view of oblique
rolling kinematics.

[Sbornik VSB Ostrava, 1969, (3), 47-61] (Cz)

BISI 9815 (Endrle M.)
Non-uniform deformation in shearing plates
and its effect. [Sbornik VSB Ostrava, 1969,
(3), 103-130] (Cz)

BISI 10024 (N. N. Nesterova et al.)
The production of tubes from high-alloy steels
using cast ingots.

[Stal', 1971, (11), 1029-1030] (R)

BISI 10042 (Grechko, et al.)
Improvement in the end shape of billets for
continuous rolling mills.

[Inst. Chern. Met. prok. proizv., 1970, 34, 40-
45] (R)

BISI 10160 (Anon.)
Seamless tubes of superior quality in unalloyed
steel for pipework, headers and other parts of
boilers and pressure vessels.

[G. A. P. A. V. E. Technical Spec. No. 421-67]
(F)

BISI 10179 (Anon)
New simplified principle of electro-erosion.
[Formage Trait Met. 1970, (19), Nov., 33-35,
67, 98] (F)

BISI 10197 (Netherlands Patent)
Method for continuously welding longitudinal

fins on tubes.

[Netherlands Patent 133-915]

BISI 10253 (A. M. Vainzof et al.)

Volume-scheduling of the production of cold-worked tubes. [Stal', 1972, (1), 84-86] (R)

BISI 10256 (Severdenko, V. P. et al.)

Dimension of mosaic blocks in steel deformed with ultrasonic vibrations.

[Izv. VUZ Chern. Met., 1972, (1), 73-75] (R)

BISI 10308 (V. N. Vydrin and V. K. Lomma)

Power in the pilger rolling of tubes.

[Izv. VUZ Chern. Met., 1972, (2), 79-83] (R)

BISI 10314 (S. P. Burkin et al.)

Research into the force parameters of drawing wire with torsion. [Stal', 1972, (2), 182-3] (R)

Steel and Alloys (Technical Applications and Methods of production), Cermets

BISI 9721 (W. Heller)

Permanent way conference, september, 1970

[Stahl Eisen, 1971, 91, (7), 399-403] (G)

BISI 10156 (German Standard)

Steels for high-pressure hydrogenation vessel (HPHV steels) [Stahl Eisen Werkstoffblatt, 590-61, 2nd Edit. Dec. 1961]

BISI 10219 (French Standard NF A 35-052)

Iron and steel products. plain carbon steel. wire rod for welded mesh.

[Afnor Tour Europe, Cedex 7, Paris 92]

BISI 10326 (German Standard)

Cold and hot-rolled unoriented electrical sheet and strip Technical conditions of delivery.

[Din 46 400, Draft, 1971, Sept.] (G)

Casting and Cast Metals

BISI 9733 (F. Stebel)

Compressed sand for lining ladles.

[Hutnik, 1959, 9, (4), 129-132] (Cz)

BISI 9795 (M. Flick)

High-capacity continuous casting plants.

[Techn. Mod., 1970, Dec. 507-512] (F)

BISI 9881 (Anon)

ATH's continuous casting plant at ruhrort works.

[Kleipzig Fachber., 1971, 79, (2), 109-110] (G)

BISI 10262 (K. I. Vashchenko and V. K. Larin)

Skin formation on spheroidal-graphite cast iron

[Izv. VUZ Chern. Met., 1972, (1), 156-159]

(R)

Heat Treatment

BISI 10315 (Gruzin, P. L. et al.)

Diffusion of sulphur in transformer steel during annealing in various atmospheres. [Izv. VUZ Chern. Met., 1972, (2), 120-124] (R)

Fuel, Combustion and Refractories

BISI 9882 (I. Csurgay, et al.)

The use of basic concrete in rolling mill furnaces. [Neue Hütte, 1971, 16, Feb. 97-99] (G)

BISI 9997 (M. Drozdz, et al.)

Refractory concrete in the construction of reheating furnaces.

[Wiadom Hutn. 1970, 26, (9), 279-282] (P)

Welding and Joining

BISI 10201 (Wellinger, K. et al.)

Dynamic strength of welded tubular lattice joints' [Schweisen Schneiden, 1971, 23, (6), 215-217] (G)

Ores and Minerals Handling and Beneficiation

BISI 8341 (A. T. Yu.)

Two high speed boat unloading processes in the U.S.A.

[Fordern Heben, 1970, Jan, 24-26] (G)

BISI 9917 (Grebe, K. and Kister, H.)

Examinations on the occurrence and effect of grain disintegration of sinter in the experimental blast furnace at Ougree.

[Stahl Eisen, 1971, 91, (14), July 8, 825-33] (G)

BISI 9983 (Rusakova, A. G. and Kopyrin, I. A.)

Influence of firing temperature and schedule on the structure-formation and strengthening processes of fluxed iron-ore pellets. Communication 2. [Izv. VUZ Chern. Met., 1971, (10), 25-29] (R)

BISI 10002 (E. Karapetyan and A. Rodina)

Phase chemical analysis of highly y-basic sinter. [Obagaschenie Rud., 1968, 13,](5), 38-39] (R)

BISI 10150 (N. G. Makhanek, et al.)

Use of fine fractions of fluxed sinter in pellet production. [Izv. VUZ Chern. met, 1971, (12), 30-34] (R)

BISI 10301 (G. N. Namyatov and V. K. Gruzinov)

Quantitative estimation of convective heat transfer under sinter-cooling conditions in a laboratory sintering pot.

[Izv. VUZ Chem. Met., 1972, (2), 24-27] (R)

Ironmaking and Ferro-Alloys

BISI 9846 (K. Engel.)

Report on the 3rd international Blast furnace refractories conference, Paris, oct. 1970

[Stahl Eisen, 1971, 91, (19), Sept. 16, 1103-1105] (G)

BISI 9999 (W. Wenzel et al.)

Comparative investigations to determine the effect of formed coke on gas flow through the blast furnace charge.

[4th Internat Cont. on Ironmaking, VZKG, Ostrava, 1970, Nov.] (Cz)

BISI 10224 (G. A. Panev et al.)

Equipment for the coal-dust line and blast-furnace operating conditions with coal-dust and natural-gas injection.

[Steel'. 1972, (1), 10-14] (R)

BISI 10304 (A. I. Kuprin et al.)

Experimental investigation of the gravity hydraulic conveying of sinter spillage.

[Izv. VUZ Chern. Met., 1972, (2), 33-37] (R)

BISI 10305 (T. I. Slamchinskaya and I. D. Semikin)

Influence of burden iron content on blast furnace productivity.

[Izv. VUZ Chern. Met., 1972, (2), 42-47] (R)

BISI 10318 (I. I. Koblyakov and A. B. Ermakov)

Combined influence of technological factors on the economic indices of operation of modern blast furnaces.

[Izv. VUZ Chern. Met., 1972, (2), 174-9] (R)

Steelmaking

BISI 9842 (B. Mahner)

Process control in an electric steel works.

[Klepzig Fachber., 1971, 79, 99-104] (G)

BISI 9855 (Vanicek, V.)

Effect of quality lime and pig iron on the tandem furnace steelmaking process.

[Hutn. Listy, 1971, (4), 262-265] (Cz)

BISI 9862 (Kafka, V. and Bužek, Z.)

New method of determining the production costs of electric steelmaking.

[Hutn. Listy., 1971, (3), 171-179] (Cz)

BISI 9915 (R. Reinders and W. Heller)

Production of rail steels of low hydrogen content according to the basic oxygen converter process. [Stahl Eisen, 1970, 90, (26), 1489-1496] (G)

BISI 10126 (Demin, G. I. et al.)

On the choice of the optimum parameters for oxygen lances.

[Izv. VUZ. Chern. Met., 1967, (5), 158-162] (R)

BISI 10245 (S. M. Baranov, et al.)

The melting of low temperature open hearth-steel (17gs grade) deoxidized without silicon.

[Stal', 1972, (1), 40] (R)

BISI 10246 (Troskunov, Ya. L. et al.)

Features of the 55pp steel production process.

[Stal', 1972, (1), 42-43] (R)

BISI 10247 (L. S. Rybakov)

Yield of molten steel from open-hearth furnaces increased by improving the slag conditions.

[Stal, 1972, (1), 48] (R)

BISI 10313 (Yu. G. Strel'chenko, et al.)

Electric arc reformer for the fuelling of oh furnaces. [Stal', 1972, (2), 177-178] (R)

BISI 10320 (V. I. Yakushin, et al.)

Quality of 08Yu steel melted in an intensively oxygen-lanced twin-bath furnace.

[Stal' 1972, (2), 122] (R)

Extraction and Refining

BISI 10171 (K. Guddas and B. Gerstenberg)

Electrolytic desulphurization of iron.

[Stahl Eisen, 1968, 88, 1476-77] (G)

BISI 10190 (Anon.)

The largest steel degassing plant in the world

is at bruckhausen B.O.S. plant.

[Unsere ATH, 1971, 17, June-July, 7] (G)

BISI 10200 (Belgian Patent Centre de Recherches Metallurgiques.)

Desulphurizing process for iron and steel using a coated granular additive.

[Belgian Patent 768-210]

BISI 10252 (B. S. Natapov et al.)

The effect of additions on the formation of the structure of 08Yu steel thin sheet rolled stock.

[Stal, 1972, (1), 82-83] (R)

BISI 10306 (V. I. Baptismanskii et al.)

Kinetics of hydrogen removal from the boiling metal (bath) [Izv. VUZ Chern. Met., 1972, (2), 52-55] (R)

Engineering

BISI 10157 (A. Kohler)

Steel supports of hollow structural sections for heavy loads.

[Bander Bleche, 1972, (1), 36-37] (G)

BISI 10174 (German Standard)

Steel waste pipes and fittings with spigot and socket joints.

[German Standard DIN 19530, 1970, Oct.]

BISI 10206 (German Standard)

Screwed steel pipe fittings. [DIN 2987 sheets 1 and 2, 1962, June DIN 2990, 1962, June DIN 2988, 1959, Aug.]

BISI 10211 (German Standards)

Screwed steel pipe fittings.

[DIN 2991, 1963, Apr. DIN 2993, 1962, Aug. OIN 2986, 1959, Aug. DID 2990, Draft, 1970, July. DIN 2991, Draft, 1970, July.]

BISI 10248 (Pimenov, A. F. et al.)

Industrial lubricant for the cold-rolling of tinplate. [Stal', 1972, (1), 59-62] (R)

BISI 10273 (Verein Deutscher Ingenieure)

Pipelines in chemical installations. summary of regulations and standards.

[Draft VDI-Richtlinien 2770, 1971, May, 11pp] (G)

BISI 10288 (J. Ulbricht.)

Progressive helical compression springs with variable wire diameter for vehicle construction.

[ATZ, 1969, 71, (6), 198-201] (G)