

Gas-Shielding Arc Welding of Carbon Steels, by W.
Humnitzsch, F. Mersmann.

^I GERMAN, ^Ser, Schweiß^Sen u Schneiden, Vol VII No 3,
Mar 1956, pp 73-79.

ASLIB-GB70

Sci

Jul 59

92, 742

On H₂O Cracking of Austenitic Chromium-Nickel
Welds, by W. Hirsch, H. W. Fritz. UNCL

GERMAN, per, Schweißen u Schneiden, No 3, 1956,
pp 81-85.

BISI 1633

(LA)

Sci - Min/Met

Mar 60

111, 156

<p>Teske, K. CONTRIBUTION TO THE CLARIFICATION OF THE PROCESS OF FLAME CUTTING. [1962] [10]p. 1 ref. Order from SLA \$1.10 62-20128</p>	<p>62-20128</p>
<p>Trans. of <u>Schweissen u[nd] Schneiden</u> (West Germany) 1956, v. 8, no. 4, p. 122-129.</p>	<p>I. Teske, K.</p>
<p>DESCRIPTORS: *Cutting tools, *Torches, Iron, Steel.</p>	
<p>(Machinery, Fabrications and Accessory equipment, TT, v. 9, no. 9)</p>	<p>Office of Technical Services</p>

Mantel, W.
SIGNIFICANCE OF PHYSICAL PHENOMENA IN
WELDING ARC. [1962] [20]p. 6 refs.
Order from SLA \$1.60

62-20099

62-20099

I. Mantel, W.

Trans. of Schweissen u[nd] Schneiden (West Germany)
1956, v. 8, no. 3, p. 280-287.

DESCRIPTORS: *Arc welding, *Electrodes, Thermionic
emission, Gas discharges, Polarization, Tungsten,
Argon, Helium, Steel.

An attempt has been made to apply the known funda-
mental properties of the physical arc to the welding arc.
In accordance with the heating of the anode, three
different types of arcs are formed which in practical
welding occur as three variants, depending upon polarity
and type of current used. A comparison is made between
the known theoretical relationships of these variations
(Machinery--Manufacturing, TT, v. 9, no. 12) (over)

Office of Technical Services

Experience in Non-Destructive Testing of Welded Tubes,
by H.-D. Weise.

GERMAN, per, Schweissen Und Schneiden, Vol VIII, No 10,
1956, pp 355-363.

Brutcher Tr 4073
\$9.80

Sci - Engr

Apr 58

61,430

Material Testing at Low Temperatures, by
H. Hilsenbumer. UNCLASSIFIED

GERMAN, per, Schmelzen u Schnitten, Vol IX, No 3,
1957, pp 117-119.

DSIR/31362/CT

Sci - Engr
Sep 58

75, 838

Fish Eyes in Steel Welds, by W. Hummitzsch.

GERMAN, per, Schweissen und Schneiden,
Vol. IX, No 8, 1957, pp 386-390.

HB 5160

Sci-M/M

Dec 63

243,951

Problems of Welding High-Tensile Structural
Steels, by H. J. Wiester.

GERMAN, per, Schweissen und Schneiden, No 10,
1957, pp 465-468.

BIBI 1901.

Sci - Engr

Jan 61

136,079

Problems of Measurement Technique in Resistance
Welding, by O. Gengelbach.

GERMAN, per, Schweissen und Schneiden, Vol X, No 1,
1958, pp 1-12.

CSIRO

118,575

Sci - Min/Metals

Jun 60

The Inert Gas Tungsten Arc Welding of Thin
Sheet Steel for Transformers and Dynamos, by
J. Ruge, W. Rauchfuss.

GERMAN, per, Schweissen Schneiden, Vol X,
Feb 1958, pp 55-58.

BISI 2213

Sci - Engr

Jun 61

156,886

Practice for Welding Circular Heads on Large
Diameter Pipes, by L. Henze, H. Schoruhn. USCL

GERIGAN, per, Schweißen und Schmieden, May 1958,
pp 162-166.

British Iron and Steel Ind 1138
(LA 5 0)

Sci - Engr
Apr 82 59

84,708

Ultrasonic Testing Of Welds by W.H. Papke.

GERMAN, per, Schweissen Und Schneiden, Vol X, No 4,
1958,

CSIRO

Oct. 62

Ultrasonic Inspection of Welds, by W. H. Pepke.

GERMAN, per, Schweissen und Schneiden, Vol X,
No 4, 1958, pp 131-135.

HB 4237

Sci - Engr

Apr 61

147,481

Approximating Equilibrium Conditions in the
Molten Pools of Metal and Slag in Arc Welding,
by W. M. Conn. UNCL

GHEDDAI, per, Schweißen u Schneiden, No 5,
1958, pp 174-181.

BISI 1468

(15 Oc.04.)

114,292

Sci- Min/Met; Engr
Apr 60

Position, Time and Cause of Spatter During
Electric-Arc Welding, by Friedrich
Erdmann-Jesnitzer, Gottfried Pysz, 29 pp.

GERMAN, per, Schweissen und Schneiden, Vol X,
No 8, 1958. pp 303-311.

SLA 60-10039

Sci

OTS, Vol III, No 6

126,921

Sep 60

Investigations on the Electro Slag Welding
Process, by R. Muller, 8 pp.

GERMAN, per, Schweissen und Schneiden, Vol X,
No 9, 1958, pp 2-10.

CSIRO

Sci - Engr
Nov 61

174,403

BECKER, H. Build-up welding of wheel flanges of rail
vehicles with the aid of shielded arc welding.
Schweiss.Schneid. 10(10):442-4 (1958) (CRL/T.4211x)

**Build-Up Welding of Wheel Flanges of Rail Vehicles
with the Aid of Shielded Arc Welding,**
by H. Becker,
GERMAN, per. Schweissen Schneiden, Vol 10, No 11,
1958, pp 442-444,
BIBI 7866

Sci/Mat
Mar 70

404,074

Gunther, H.
AUTOMATIC WELDING PROCESS WITH MAGNETI-
CALLY CONTROLLED ARC FOR THE WELDING OF
PIPE LINES. [1962] [28]p. 12 refs.
Order from SLA \$2.60

62-20091

Trans. of Schweißen u[nd] Schneiden (West Germany)
1958, v. 10, no. 10, p. 385-394.

DESCRIPTORS: Automatic, *Arc welding, *Pipes, In-
dustrial equipment, Electromagnets

The present report covers an automatic "fire cracker"
butt welding process which makes it possible to produce
perfect root and finishing beads in any welding position.
Its mode of operation is based on the control of the arc
column by auxiliary magnetic fields whose theory is ex-
plained. A description is given of the equipment which
has been developed and field-tested with pipe diameters
(Machinery--Manufacturing, TT, v. 9, no. 10) (over)

62-20091

1. Title: Butt welding
1. Gunther, H.

Office of Technical Services

Limitations in the Evaluation of Gamma
Radiographs Used for Examining Circumferential
Pipe Welds in Accordance With DIN 54 111, by W. H.

Papke, W. H. UNCL

GERMAN, per, Schweissen u Schneiden, No 11, 1958,
pp 439-441.

British Iron and
Steel Ind 1391
(12 15s.0d.)

96, 836

Sci - Phys
Sep 59

Optimum Intensification and Fault Definition
Through the Use of Suitable Lead Screens for
Gamma Radiographs With Ir 192 and Cs 137, by
W. H. Papke.

GERMAN, per, Schweissen und Schneiden, Vol X,
No 12, 1958, pp 463-466.

*TIL T-5126

Sci - Phys

Jul 60

The Effect of Moisture Absorption and Its
Delay at Non-Alloyed, Lime-Basic Electrodes, by
E. Kauhausen, S. Sadowski, 19 pp.

GERMAN, per, Schweißen und Schneiden, Vol XI,
No 4, 1959, pp 115-120.

SLA 60-10820

Sci

OTS, Vol III, No 7

Nov 60

133,120

Strengths of Welded Connections on Cylindrical Containers, by H. Heusler, 18 pp.

GERMAN, per, Schweissen und Schneiden, Vol XI, 1959, pp 315-318.

ABC Tr-4300

Sci - Engr
24 Feb 61

141,072

Principles and Developments of the Quality Coefficient for
Welded Seams in Pressure Vessels, by E. Rubo.

GERMAN, per, Schweissen und Schneiden, Vol 11, No 59,
pp 409-415.

*JPRS for
US Army Ordnance
Redstone Arsenal, Ala.

Jun 60

Welding of Wheel Rims for Railway Rolling Stock by
Means of Inert Gas Arc Welding, by H. Becker.

GERMAN, per, Schweißen und Schneiden, Vol X,
1958, pp 442-444.

CSIRO

Sci - Min/Mat
Aug 62

211, 478

Semi-Mechanical Welding With ~~EM~~ CO₂ Protection
in the Manufacture of Containers and Apparatus,
by Ing. R. Faulstich.

GERMAN, par, Schweißen und Schneiden.
Vol XI, No 8, 1959, pp 319-322.

CSIRO

Sci - Min/Net
Aug 62

211, 479

Research on ~~Soft~~ Soft Soldered Joints, by H. Koch,
W. Wasserbach.

GERMAN, per, Schweissen und Schneiden, Vol XII,
1960, pp 2-10.

*AEC

Sci - Engr
Aug 62

Fatigue Tests on Notched Specimens Filled in
by Welding, by Wolf.

GERMAN, per, Schweissen und Schneiden,
Vol XII, No 1, 1960, pp 10-14.

GB/211/173

Sci
Dec 62

ETC

Frügel, F.
STORED ENERGY WELDING. [1961] [11 p. (11 figs.
omitted) 2 refs.
Order from SLA \$1.60

61-16160

Trans. of Schweißen und Schneiden (West Germany)
1960, v. 12, no. 1, p. 14-18.

DESCRIPTORS: *Electric welding, *Resistance,
Instrumentation, Electrical equipment.

(Machinery--Manufacturing, TT, v. 6, no. 3)

61-16160

1. Title: Impulse welding
 2. Title: Condenser impulse welding
 3. Title: Stored energy welding
1. Frügel, F.

175240

Office of Technical Services

Metallurgical Considerations in the Welding of
Stainless and High-Temperature Steels, by
A. Bernstein.

GERMAN, per, ^WSchweissen und Schneiden, No 2, 1960,
pp 55-61.

BISI 1811

Sci - Engr

Oct 60

127,131

Welding and Cutting With Electron Beams, by K. H.
Steigerwald.

GERMAN, per, Schweissen und Schneiden, Vol XII,
No 3, 1960, pp 1-7.

AEI T/1592

Sci - Engr

133,894

Dec 60

Welding Studies on an AlZnMg1 Alloy with special
Emphasis on the Crack Sensitivity of the Weld,
by K. P. Mudrack, 22 pp.

GOVERNMENT USE ONLY

GERMAN, per, Schweissen und Schneiden, Vol. 12,
No 2, 1960, pp 45-55

RSIC-788

EE

Sci/Mat

May 68

342,513

Welding and Cutting With Electron Beams, by
K. H. Steigerwald.

GERMAN, per, Schweissen und Schneiden,

Vol XII, No 3, 1960, pp 89-95.

Dept of Navy Tr 4486/APL/JHU T-1616

296,465

Sci-Electronics
Feb 66

A Contribution to the Problem of Determining
Acetylene Losses in Gasometers, by M. Maier.

GERMAN, per, Schweissen und Schneiden, Vol XII,
No 3, 1960, pp 112, 113.

*TIL T 5167

Sci - Chem

Jan 61

Chemical-Metallurgical Studies on Welds, by
H. Born.

GERMAN, per, Schweissen und Schnittsiden, Vol XII,
Apr 1960, pp 139-146.

BISI 2025.

Sci - Engr

Jul 61

161,051

Economy of Flame-Cutting Methods. Section 6 From
Rationalisierung im Schiffbau Durch Brennscheiden
(Application of Flame-Cutting in Ship Construction),
RE by H. Klops, J. Bantfeldt. UNCL

GERMAN, pp. Schweissen und Schneiden, Vol. XII, No 6,
1960,

Navy Tr 2822/Bu₃Ships 727

EBur - Germany
Econ
Jul 61

160,686

62-14345

Brunst, W.
SPECIAL MACHINERY AND MECHANIZATION OF
WORK STAGES IN RESISTANCE WELDING. [1962]
15p. (25 figs. refs. omitted).
Order from SLA \$1.60

62-14345

Trans. of Schweissen und Schneiden (West Germany)
1960, v. 12, no. 10, p. 438-446.

DESCRIPTORS: Machines, Automation, Resistance,
*Welding, Welded joints, *Electrodes, Electric
welding, Feed mechanisms.

Data are presented on circular transfer lines for work-
pieces, straight transfer lines for workpieces, work-
piece feed, welding tools, ejecting the workpieces,
examples of machines, and cost of special machinery.

(Metallurgy. TT, v. 8, no. 7)

I. Brunst, W.

Office of Technical Services

62-14344

Brunst, W. and Bauer, K.
EFFECT OF ELECTRODE SPACING ON WELDING
CURRENT IN TWIN SPOT WELDING. [1962] 6p.
(10 figs. refs. equations omitted).
Order from SLA \$1.10 62-14344

I. Brunst, W.
II. Bauer, K.

Trans. of Schweißen und Schneiden (West Germany)
1960, v. 12, no. 10, p. 453-456.

DESCRIPTORS: Electrodes, Electric welding, *Spot
welding, Sheets, Oscillographs, *Welding

(Metallurgy, TT, v. 8, no. 7)

Office of Technical Services

61-10867

Piwowar, St.
TECHNOLOGICAL DETAILS OF ELECTRON BEAM
WELDING [Technologische Besonderheiten beim
Elektronenstrahlschweißen]. [1961] [3]p. 1 ref.
Order from SLA \$1.10 61-10867

I. Piwowar, S.

Trans. of Schwalgen und Schneiden (West Germany)
1960 [v. 12, no. 10] p. 457-458.

DESCRIPTORS: *Electron beams, Focusing, Elec-
trostatics, *Electric welding, Electronic equipment,
Zone melting, Titanium, Manufacturing methods

Experiments showed that the size of the melting zone
can be controlled within wide limits through the appli-
cation of electrostatic focusing by adjustment of the
distance between the edge of the focusing cathode shield
and the cathode spiral. (Author)

(Machinery--Manufacturing, TT, v. 7, no. 4)

Office of Technical Services

Investigation Into the Weldability of Various
Grades of Plate Under the Protection of CO₂,
by R. Glockner, H. Wirtz.

GERMAN, per, Schweissen und Schneiden, Vol XII,
No 11, 1960, pp 482-484.

BISI 2241

Sci - Engr

Jul 61

162,752

Investigation into the Weldability of Various Plate
Materials Under the Protection of CO₂, by R. Glocmer,
H. Wirtz.

GERMAN, per. Schweissen Schneiden, Vol XII, No 11,
1960, pp 482-484.

e
*BISI 2241

Sci -

Jun 61

Manufacture and Properties of Atomised, Stabilized
Ferro-Silicon, by K. Feldmann, K. Frank.

GERMAN, per, Schweissen und Schneiden, Vol XII,
Dec 1960, pp 514-517.

BISI 2321

Sci - Chem

171, 397

Oct 61

Research on Soft-Soldered Joints: A Contribution
to the Development of Suitable Testing Methods for
Static and Dynamic Strength, by H. Koch,
W. Wasserbach, 21 pp.

GERMAN, per, Schweissen und Schneiden, Vol XII,
1960, pp 2-10. 9201276

AEC-tr-5469

Sci - Engr

Jun 63

219,927

Root Welding of Heavy Duty Pipe in Low and
High Alloy Steel, by R. Faulstich.

GERMAN, per, Schweißen und Schneiden, Vol XIII,
1961, pp 110-114, 160-165.

BTBT 3044

Sc1 - M/M
Feb 63

222,540

Temperature, Material Transfer and Physical
Properties of Slags of Unalloyed Welding
Electrodes, by W. Hummetsch.

GERMAN, per, Schweissen und Schneiden, Vol XIII,
May 1961, pp 187-195.

BIBI 2617

Sci - Phys

196, 172

May 62

list 133

**Residual Stresses and Buckling and Their Effect
on the Behaviour of Steel Structures, by A.
Erker.**

**CEKMAN, per, Schweissen Schneiden, Vol 14,
Jan 1962, pp 3-11.**

***BIBI 5351**

**Sci - Behavioral and Social Sciences
Feb 67**

Strain Patterns on Welded Junctions Between Flat Bars and Angle Irons as Load Carrying Members, by D. Spengenberg.

GERMAN, per, ~~Schweißen und Schneiden~~, Vol XIV, No 1, 1962, pp 14-23.

BISI 2695

Sci - Engr

Aug 62

list 14⁷~~0~~

211, 202

High Frequency Tube Welding With Energy
Transmission Through Contacts, by E. Gorissen.

GERMAN, per, Schweissen und Schneiden, Vol II,
Feb 1962, pp 69-71.

BISI 2946

Sci - Engr

Jan 63

list 157

2-1-63

Operating Principles for Gas-Shielded Metal
Arc Welding, by W. Mantel.
GERMAN, per, Schweissen und Schneiden, Vol 14,
No 2, 1962, pp 72-79.
NTC-71-12464-13H

Nov 71

Microfissures in Low Alloy Welds and Method of Hydro-
gen Determination in Weld Metal Immediately
After Deposition, by W. Hunnitsch, S. Dittrich.

GERMAN, per, Schweissen u. Schneiden, Vol~~XXX~~ XIV, 1962,
pp 97-104.

9/
*BISI 3117

Sci - M/M
Feb 63

New Aids for the Ultrasonic Testing of Welds,
by V. Deutsch, H.-J. Schinke.

GERMAN, per, Schweissen and Schneiden,
Vol XIV, No 3, 1962, pp 109-111.

HB 5603

Sci-M/M
Apr 63

229,375

Recommendations for the Assessment of Radiographs
of Welds in Shipbuilding, by J. Hansen, L. Raudenkolb

GERMAN, per, Schweissen and Schneiden, Vol XIV,
No 11, 1962, pp 480-482.

*BISI 3389

Sci - Engr
Sep 63

Thermal Processes in the Heat Affected
Zone During Arc Welding of Structural
Steels, by G. Tschentke, R. Killing.
GERMAN, per, Schweissen Schneiden,
Vol 15, Jul 1963, pp 345-352.
BIBI 3902

Sci/MGN
Sop 65

289,340

Possible Causes of False Crack Indication in the
Magnetic Particle Inspection of Welded Joints, by
Eva Coermann.
GERMAN, per, Schweissen und Schneiden, Vol XVI,
No 3, 1964, pp 90-92.
HB 6283

Sci -- Engr
Nov 64

268,486

Investigations Into the Relief of Welding Stresses by
Mechanical Jolting, by H. Buhler, H. G. Pfalzgraf.
GERMAN, per, Schweissen und Schneiden, Vol XVI,
No 5, 1964, pp 178-183.

HB 6313

CRL/T. 3735

Doc L 203, 1969

Sci - Engr

Nov 64

268,487

Experience with High Alloy Steels for boiler
Construction and their Welding, by W. Muller,
H. R. Kautz.
GERMAN, per, Schweissen Schneiden, Vol 10, Jun
1964, pp 228-233.
BISI 5455

Sci/Materials
May 67

522,530

Investigations into the Oxygen Cutting Jet
in Relation to Scoring during Flame Cutting,
by W. Scheicher.
GERMAN, per, Schweissen und Schneiden, Vol 16,
No 7, 1964, p 284
NLL Ref: 5828.4F (7149)

Sci-Mechanical
July 68

360,845

Material and Heat Balances for Oxy-Acetylene
Scarfig and Cutting of Low-Carbon Steels, by
A. K. Nienburg.

GERMAN, per, Schweisstechnik, Vol III, No 3,
1953, pp 38-42.

ATS 610-GJ

Sci - Engr

Sep 60

124,951

The Thermal-Spraying of Plastics, by Hermann
Schwarz, 10 pp.

GERMAN, per, Schweiz Technik, Vol IV, No 9,
Sep 1954, pp 270-272.

ATIC F-TB-8772/III

Sci - Chemistry

33,240

Apr 56

Schierhorn, W.
SAVING OF FUEL GAS DURING FLAME CUTTING.
[1962] [5]p.
Order from SLA \$1.10 62-20096

Condensed trans. of Schweißtechnik (Germany) 1955,
v. 5 [no. 6] p. 176-178.

DESCRIPTORS: *Fuels, *Gases, *Cutting torches,
Economics, Oxygen, *Acetylenes, *Hydrogen,
Operation.

(Machinery--Manufacturing, TT, v. 9, no. 12)

62-20096
1. Schierhorn, W.

Office of Technical Services

62-20097

Erdmann-Jesnitzer, F. and Klaas, H.
CONTRIBUTION TO THE STABILIZATION OF BARE-
WIRE-ARCS. [1962] [17]p. 6 refs.
Order from SLA \$1.60

62-20097

I. Erdmann-Jesnitzer, F.
II. Klaas, H.

Trans. of SchweiBtechnik (Germany) 1955, v. 5, no. 7,
p. 193-198.

DESCRIPTORS: *ARC welding, *Electrodes, Stabiliza-
tion, Aluminum alloys, Aluminum coatings, Coatings,
Salts, Potassium, Sodium, Barium, Lithium, Strontium

The purpose was to find out whether the arc stability
of bare wire of the composition 0.06-0.12%C,
~0.06%Si, ~0.5 to 0.7%Mn, <0.03%P, <0.03%S
could be improved by adding Al to the filler wire
either as an alloying element or as a separate coating,
and, further, whether stabilization can be obtained by
very thin coatings containing readily ionizable elements.
(Machinery--Manufacturing, TT, v. 10, no. 3) (over)

Office of Technical Services

Aids and Appliances for Flame-Cutting, by H. Hofes
11 pp.

GERMAN, per, Schweisstechnik, Vol IX, No 1,
Jan 1955.

SIA Tr 1991

Sci - Eng
Jul 57

50,034

The Welding Without Preheat of Alloys, Steels
in the Chemical Industry, by W. Gillet, UKCh

GERMAN, par, Schweißstech, No 6, 1956,
pp 64-67.

BWRA Tr 12/59
British Welding Research Association
Abington Hall
Abington, Cambridge

Sci - Chem
Jan 60

106,747

Contribution to the Metallurgy of Electro-Slag
Welding, by F. Erdmann-Jesnitzner, G. Kammler.
GERMAN, per, Schweisstechnik, No 8, 1958,
pp 88-92.
BISI 3793

Sci - Engr
Sep 64

267,026

The Welding Behaviour of Chemically Resistant
Cr-Ni Steels With Higher Mo and Mo-Cu Contents, by
A. Schmidt,

GERMAN, per, Schweisstechnik, Vol. XII, Dec 1956,
pp 153-156.

BISI 2194

Sci - Min/Metals

173, 784

Nov 61

Bursting Tests on Structural Steels Free From
Brittle Fracture, by H. Hattmann.

GERMAN, per, Schweißtechnik, Vol XIII, Feb 1959,
pp 13-19.

BISI 2429)

Sci - Engr

182, 641

Feb 62

list 117

R-481-11

Spot and Seam Welding of Aluminum Alloys,

GERMAN, per, Schweisstechnik, Vol XIV, Mar 1960,
pp 25-30.

*JPRS for Army Rocket and Guided
Missile Agency

Sci-Admin/riet

Mar 61

Experiments on the Automatic Ultrasonic Testing of
Welds, by J. Angres.

GERMAN, per, Schweisstechnik, No 4, 1960, pp
124-127.

BISI = 1880

Sci - Engr

Oct 60

129,123

Symbols, Classification and Quality Standardization
for Submerged Arc Welding Powders, by
G. Becker.

GERMAN, per, Schweisstechnik, Vol X, No 5, 1960,
pp 175-178.

BISI 2258

Sci - Engr

168, 472

Sep 61

List 108

Testing of Weldments at High Temperatures
by Means of a Cooled Cassette, 18 pp.

GERMAN, per, Schweisstechnik, No 4, 1961,
pp 146-151. 9671149

FTD MEL-1395/1

Sol - Flays

171, 442

23 Oct 61

Condenser Discharge Welding, by
Johannes Wodara, Hans-Dieter Wendler, 9 pp.

GERMAN, per, Schweisstechnik, No 5, 1961,
pp 203-205. 9671613

FTD MCL-1396/1

Sci - Electron

174, 768

29 Nov 61.

Reduction in Weld Cracking of Various Aluminum
Alloys by Means of Alloying Elements, by Zoltan Buray.
GOVERNMENT USE ONLY
GERMAN, per, Schweiss-Technik, Vol XII, No 4, 1962,
pp 1547-163. 9695512
DDC RSIC-254

Sci - M/M
Jan 65

270,696

Problems Encountered in Submerged Arc
Welding, by E. Kauhausen, P. Müller.
GERMAN, per, Schweisstechnik, Vol 23,
1962, pp 39-44.
BISI 4153

EE-Gor
Sci/MGM
May 65

279,552

Influenc of Sampling, Type of Electrode and Welding
Conditions on Hydrogen Content in a Weld, by
H. Zitzler.

GERMAN, par. Schweißtechnik, Vol XVI, 1962,
pp 25-21.

REF: 11/11

DISC 3068

Sci - Eng
Feb 63

222,547

Ultrasonic Testing of the Adhesion and Homogeneity of
Sprayed Metal Deposits, by K. Hohne.
GERMAN, per, Schweisstechnik, Vol XIII, No 9, 1963,
pp 403, 404.
HB Tr No 6250

Sci - M/M
Feb 65

274,994

Nondestructive Testing Equipment and
Testing Instruments, by F. Wulf, 7 pp.
GERMAN, per Schweisstechnik, No 6, 1962,
pp 859-261. 9697150
FTD-TT-64-1352

Sci-Engr
Jun 65

282,246

Schwarz, H.
IMPROVEMENT OF THE FATIGUE STRENGTH OF
WELDED STRUCTURES BY PLASTIC COATING.
[Jan 64] [13p] 12refs
Order from SLA \$1.60

TT-64-14268

Trans. of SchweiBtechnik (Austria) 1963, v. 17,
no. 5, p. 61-66.

(Metallurgy, TT, v. 11, no. 12)

TT-64-14268

I. Schwarz, H.

Office of Technical Services

Possibilities of the Ultrasonic Testing,
of Layers of Metal Spray with Respect
to Adhesion and Homogeneity, by
Kurt Hoelne, 6 pp.
GERMAN, JER, Schweisstechnik, No 9,
1963, pp 403-404. 9697154
FTB-TT-64-1334

Sci-1/1
Jun 65

232,216

Problems Encountered in Submerged Arc Welding,
by E. Kauhausen, P. Muller.
GERMAN, per, Schweisstechnik, Vol 23, 1962,
pp 39-44.
GB 41/4152 120s Od.

Sci -
Aug 67

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