

Bibliografía

ADCOK F.

"The internal mechanism of cold-work and recrystallization in cupro-nickel",
Journal of the Institute of Metals, Vol. 27, pp. 73-101, 1922

AHLBLOM B. y SANDSTRÖM R.

"Hot workability of stainless steels: influence of deformation parameters, microstructural components, and restoration processes", *International Metals Reviews, No. 1, pp. 3-27, 1982*

AK STEEL,

Product data bulletin, 1999

ASHBY M. F. y FROST H. J.

"En Deformation-Mechanism Maps", *Pergamon Press, Oxford, 1982*

ASM SPECIALTY HANDBOOK: STAINLESS STEELS

Ed. By J. R. Davis & Associates, Ohio, 1994

BECK P. A. y SPERRY.

"Strain induced grain boundary migration in high purity aluminum", *Journal of Applied Physics, Vol. 21, pp. 150-152, 1950*

BELLIER S. P. y DOHERTY R. D.

"The structure of deformed aluminium and its recrystallization-investigations with transmission Kossel diffraction", *Acta Metall, Vol. 25, pp. 521-538, 1977*

BELYAKOV A., KAIBYSHEV R. y SAKAI T.

"New grain formation during warm deformation of ferritic stainless steel"
Metall. Trans.A, Vol. 29, No. 1, pp. 161-167, 1998

BERGSTRÖM Y.

"A dislocation model for the stress-strain behaviour of polycrystalline α -Fe with special emphasis on the variation of the densities of mobile and immobile dislocations", *Mat. Sci. and Engineering., Vol. 5, pp. 193-200, 1969*

BERGSTRÖM Y. y ARONSSON B.

"The application of a dislocation model to the strain and temperature dependence of strain hardening exponent n in the Ludwik-Hollomon relation between stress and strain in mild steels", *Metallurgical Transactions, Vol. 3, pp. 1951-1957, 1972*

BLUM W.

"High temperature deformation and creep of crystalline solids", *Material. Science and Technology, Vol. 6, Cap. 8, pp. 363-405, 1991*

BOCHER P. y JONAS J. J.

“Characteristics of nucleation and growth during the dynamic recrystallization of a 304 stainless steel”, Proc. of 4th Conf. on recrystallization and related phenomena, Ed. T. Sakai y H. G. Suzuki, J.I.M., pp. 25-35, 1999

BROWN S. y WLASSICH J.

“Application of invariant set theory to dynamic recrystallization constitutive behavior”, Metall. Trans. A, Vol. 23, pp. 2091-2103, 1992

BUNGE H.J.

“Zur Darstellung allgemeiner Texturen”, Z. Metallkunde, 56, pp. 872-874, 1965

BYRNES M. L. G., GRUJICIC M. y OWEN W. S.

“Nitrogen strengthening of a stable austenitic stainless steel”, Acta Metall, Vol. 35, pp. 1853-1862, 1987

BYWATER K. A. y GLADMAN T.

“Influence of composition and microstructure on hot workability of austenitic stainless steels”, Metals Technology, pp. 358-365, August, 1976

CABRERA J.M.

“Caracterización mecánico-metalúrgica de la conformación en caliente del acero microaleado de medio carbono 38MnSiVS5”, Tesis Doctoral, Universidad Politécnica de Cataluña, pp. 40-74, 1995

CABRERA J.M., AL OMAR A., JONAS J. J. y PRADO J. M.

“Modeling the flow behavior of a medium carbon microalloyed steel under hot working conditions”, Metall and Mater Trans. A., Vol. 28, pp. 2233-2244, 1997

CHRISTIAN J. W.

“The theory of transformation metals and alloys”, Part I, Ed. Pergamon Press, Oxford, pp. 542-548, 1981

DECROIX J. M., NEVEU A. M. y CASTRO R. J.

“Deformation under hot-working conditions”, Iron and Steel Institute, pp. 135-144, London, 1968

DERBY B.y ASHBY M. F.

“On dynamic recrystallization”, Scripta Metall., Vol. 32, pp. 879-884, 1987

DI CAPRIO G.

“Los aceros inoxidables”, ed. Grupinox, Milano, 1999

DINGLEY D. J. y. FIELD D. P

“Electron backscattered diffraction and orientation imaging microscopy”, Materials Science and Technology, Vol. 13, pp. 69-78, 1997

DERBY B.

"Dynamic recrystallization: the steady state grain size", *Scripta Metall. et Materialia*, Vol. 27, pp. 1581-1586, **1992**

DOHERTY, R. D. y CAHN, R. W.

"Nucleation of new grains in recrystallization of cold-worked metals", *Less Common Metals*, Vol. 28, pp. 279-296, **1972**

ESTRIN Y. y MECKING H.

"A unified phenomenological description of work hardening and creep based on one-parameter models", *Acta Metallurgica*, Vol. 32, n°. 1, pp. 57-70, **1984**

GAROFALO F.

"An empirical relation defining the stress dependence of minimum creep rate in metals", *Transaction of AIME*, Vol. 227, pp. 3351-3356, **1963**

GAVARD L. y MONTHEILLET F.

"Dynamic recrystallization and grain refinement in a high purity 304l type austenitic stainless steel", *Matériaux & Techniques*, n° 5-6, pp. 65-68, **2000**

GAVARD L.

"Recristallisation dynamique d'aciers inoxydable austénitiques de haute pureté", *Tesis doctoral, Ecole National Supérieure des Mines de Saint-Etienne*, **2000**

GLEITER H.

"The mechanism of grain boundary migration", *Acta Metall*, Vol. 17, pp. 565-573, **1969**

GORDET S. y MONTHEILLET F.

"An experimental study of the recrystallization mechanism during hot deformation of aluminium", *Materials Science and Engineering A283*, pp 274-288, **2000**

GOODHEW P. J.

"Annealing twin formation by boundary dissociation", *Metal Sci*, Vol. 13, pp. 108-112, **1979**

HASHIZUME S.

Sosei-To-Kako 6, pp. 71-75, **1965**

HARATANI T., HUTCHINSON W. B., DILLAMORE I. L. y BATE P.,

"Contribution of shear banding to origin of Goss texture in silicon", *Metal Sci*, Vol. 18, pp. 57-63, **1984**

HERTZBERG R. W.

"Deformation and fracture Mechanics of Engineering Materials", Ed por John Wiley y Sons, pp. 124-127, **1995**

HU H. y GOODMAN S. R.

“*Texture transition in copper*”, *Trans Met Soc. AIME*, 227, pp. 627-639, **1963**

HUMPHREYS F. J. y HATHERLY M.

“*Recrystallization and related annealing phenomena*”, *Pergamon Press, Oxford, 1995*

HUMPHREYS F. J. y FERRY M.

“*Applications of electron backscattered diffraction to studies of annealing of deformed metals*”, *Materials Science and Technology*, Vol. 13, pp. 85-90, **1997**

HJELEN J., ØRSUND R. y NES E.

“*On the origin of recrystallization textures in aluminium*”, *Acta Metall*, Vol. 39, pp. 1377-1404, **1991**

KIM S. y YOO Y.

“*Dynamic recrystallization behavior of AISI 304 stainless steel*”, *Materials Science and Engineering A311*, pp. 108-113, **2001**

KOCKS U. F.

“*Laws for work-hardening and low temperature creep*”, *Engineering Material and Technology*, *Transactions ASME*, Vol. 98, pp. 76-85, **1976**

KRATOCHVÍL P., LUKÁC P., VOSTRÝ P., PACÁK J. y TOMES J.

“*Dynamic softening and static recrystallization of AISI 321 steel*”, *Materials Science and Technology*, Vol. 7, pp. 78-82, January, **1991**

LAASRAOUI A. y JONAS J. J.

“*Prediction of steel flow stresses at high temperatures and strain rate*”, *Metallurgical Transactions*, Vol. 22, pp. 1545-1558, **1991**

LACOMBE P., BAROUX B. y BERANGER G.

“*Les aciers inoxydables*”, *les Editions de Physique*, **1990**

LASSEN K. N. C., JUUL JENSEN D., y CONRADSEN K.,

Scanning Microscopy, Vol. 6, pp. 115-121, **1992**

LASSEN K. N. C

“*Automated determination of cristal orientations from electron backscattering patterns*”, *Tesis doctoral, Lyngby*, **1994**

LE COZE R., TARDY R., KOBYLANSKI A. y BISCONDI M.

“*Preparation of high purity metals and metallurgical studies performed at the Ecole des Mines from 1970*”, *Proceedings of the first international conference on UHP base metals (UHPM-94)*”, *Kitakyushu-city, Japan*, **1994**

LUTON M. J. y SELLARS C. M

“*Dynamic recrystallization in Ni and Fe-Ni alloys during high temperature deformation*”, *Acta Metall*, Vol. 17, pp. 1033-1043, **1969**

MACKENZIE J. K.

"Second paper on statistics associated with the random disorientation of cube",
Biometrika, Ed. Pearson e. s., Vol. 45, London, Cambridge, pp. 229-240, 1958

MARTINS L. F. M., PLAUT R. L. y PADILHA A. F.

"Effect of carbon on the cold-worked state and annealing behaviour of two 18wt%Cr-8wt%Ni austenitic stainless steels", *ISIJ International*, Vol. 38, No. 6, pp. 572-579, 1998

MCQUEEN H. J. y JONAS J. J.

"Recovery and recrystallization during high temperature deformation",
Treatise on materials science and technology 6, Academic Press, pp. 394-490, New York, 1975

MCQUEEN H. J., PETKOVIC R. A., WEISS H. y HINTON L. G.

"Hot deformation of austenite", Ed. J. B. Ballance, Metall. Soc. AIME, Warrendale, pp. 113-139, 1977

MCQUEEN H.

"Controversies in the theory of dynamic recrystallization", *Proceedings of the Recrystallization'92 conference*, pp. 429-434, Sant Sebastian, 1992

MECKING H. y KOCKS U. F.

"Kinetics of flow and strain-hardening", *Acta Met*, Vol. 29, pp. 1865-1875, 1981

MEDINA S.F. y HERNANDEZ C. A.

"General expression of Zener-Hollomon parameter as a function of the chemical composition of low alloy and microalloyed steels", *Acta Mater.*, Vol. 44, No. 1, pp. 137-148, 1996

MONTHEILLET F. y JONAS J. J.

"Recrystallization, Dynamic", *Encyclopedia of Application Physics*, Vol. 16, pp. 205-225, 1996

MONTHEILLET F.

"Modeling the steady state regime of discontinuous dynamic recrystallization", *The Fourth International Conference on Recrystallization and Related Phenomena*. Ed. by Sakai T. Y Suzuki H. G., The Japan Institute of Metals, pp. 651-658, 1999

MONTHEILLET F.

"Modeling discontinuous and continuous dynamic recrystallization", *J. J. Jonas Symposium on Thermomechanical Processing of Steel*, Ed. Yue S. y Essadiqi E., pp. 297-309, Ottawa, 2000

MYKURA H

"In grain boundary structure and kinetics", ed. Balluffi, ASM Ohio, pp. 445-456, 1980

NAKAMURA T., UEKI M. y OHTAKARA Y.
Tetsu-To-Hagane 58, pp. 87-90, 1972

NAKASHINA H., TERADA D., YOSHIDA F., HAYAKAWA H. y ABE H.
“EBSP analysis of modified 9Cr-1Mo martensitic steel”, *ISIJ International, Vol. 41, Supplement, pp. S97-S100, 2001*

NES E.
“Modelling of work hardening and stress saturation in FCC metals”, *Progress in Materials Science, Vol. 41, pp. 129-193, 1998*

NILSSON J. O. y THORVALDSSON T.
“The influence of nitrogen on microstructure and strength of a high alloy austenitic stainless steel”, *Scand. J. Metall, Vol. 15, pp. 83-95, 1985*

OHTAKARA Y., NAKAMURA T. y SAKUI S.
“Temperature and strain rate dependences of flow stress in metals and alloys in torsional deformation”, *Transactions ISIJ, Vol. 12 pp. 36-44, 1972*

OIKAWA H.
“Lattice self-diffusion in solid iron : a critical review”, *Technology reports of the Tohoku Univessity, Internet site hptt://inaba.nrim.go.jp/diff, 1982*

OXFORD GUIDEBOOK SERIES
“Electron backscatter diffraction”, © Oxford Instruments plc, Ref: OPI/b/0997, pp. 2-11, England, 1996

OWEN W. S.
“Nitrogen strengthening of austenitic stainless steels at temperatures above 500 K”, *Proc. Int. Conf. HNS 90, Stahl & Eisen, Aachen, pp.42-46, 1991*

PERDRIX C., PERRIN M. y MONTHEILLET F.
“Comportement mécanique et évolution structurale de l'aluminium au cours d'une déformation à chaud de grande amplitud”, *Mém. Sci. Rev. Metall, Vol. 78, pp. 309-320, 1981*

PERKINS R. A.
“Tracer diffusion of 63Ni in Fe-17%wt%Cr-12wt%Ni”, *Met. Trans., Vol. 4, pp. 1665-1669, 1973*

PERKINS R. A., PADGETT R. A. y TUNALI N. K.
“Tracer diffusion of 59Fe and 51Cr in Fe-17%wt%Cr-12/12wt%Ni austenitic alloy”, *Met. Trans., Vol. 4, pp. 2535-2540, 1973*

PONGE D. y GOTTSSTEIN G.
“Necklace formation during dynamic recrystallization: mechanisms and impact on flow behavior”, *Acta mater. Vol 46, No. 1, pp. 69-80, 1998*

PRASAD Y. V. R. K. y RAVICHANDRAN N.

"Effect of stacking fault energy on the dynamic recrystallization during hot working of FCC metals: a study using processing maps" Bull. Mater. Sci., Vol. 14, No. 5, pp. 1241-1248, 1991

RANDLE V.

"Microtexture determination and its applications", The Institute of Materials, London, pp. 103-104, 1992

RANDLE V.

"Application of electron backscatter diffraction to steel products", Ironmaking and Steelmaking, Vol. 21, No. 3, pp. 209-214, 1994

REED R. P.

"Nitrogen in austenitic stainless steels", JOM, March, pp. 16-21, 1989

ROBBIN J. L., SHEPARD O. C. y SHERBY O. D.

"Torsional Ductility and Strength of Iron-Carbon Alloys at Elevated Temperature", Trans. ASM 60, pp. 205-216, 1967

ROBERTS W. y AHLBLOM B.

"A nucleation criterion for dynamic recrystallization during hot working", Acta Metal, Vol. 17, pp. 801-813, 1978

ROBERTS W., BODÉN H. y AHLBLOM B.

"Dynamic recrystallization kinetics", Metal Science, pp. 195-205, March-April 1979

ROBERTS W.

"Deformation processing and structure", ed. by G. Krauss, ASM Metals Park, Ohio, Chapter 4, 1982

ROSSARD C.y BLAIN P.

"Evolution de la structure de l'acier sous l'effet de la déformation plastique à chaud. Mémoire Scientifique", Rev. Metallurg., LVI, N° 3, pp. 285-300, 1959

RYAN N. D. y MCQUEEN H. J.

"Work hardening, Strength and ductility in the hot Working of 304 austenitic stainless steel", High Temperature Technology, Vol. 8 No. 1, pp. 27-43, February , 1990

RYAN N. D. y MCQUEEN H. J.,

"Comparison of dynamic softening in 301, 304, 316 and 317 stainless steels", High Temperature Technology, Vol 8, No 3, pp.185-200, August 1990

SAH J. P., RICHARDSON G. J. y SELLARS C. M.

"Quantitative correlation between high temperature strength & the kinetics of dynamic recrystallization", Indian J. Technol, Vol. 11, pp. 445-452, 1973

SAKAI T. y JONAS J. J.

*“Dynamic recrystallization: mechanical and microstructural considerations”,
Acta Metall, Vol. 32, pp. 189-209, 1984*

SAKUI S., SAKAI T. y TAKEISHI K.

*“Hot deformation of austenite in a plain carbon steel”, Trans. ISIJ, Vol. 17, pp.
718-725, 1977*

SELLARS C. M. y TEGART W. J. MCG.

*“La relation entre la résistance et la structure dans la déformation à chaud”,
Mémoires Scientifiques de la revue de métallurgie, Vol. LXIII, n. 9, pp. 731-746,
1966*

SELLARS C. M.

*“Modelling microstructural development during hot rolling”, Mater. Sci. And
Tech., Vol. 6, pp. 1072-1081, 1990*

STEWART M. J.

*“The hot deformation of austenite”, ed. By J. B. Ballance, pp. 47-68, AIME,
New York, 1977*

STÜWE H. P. y ORTNER B.

*“Recrystallization in hot working and creep”, Metal Sci., Vol. 8, pp. 161-167,
1974*

TAFZI K., CABRERA J. M y PRADO J. M.

*“Hot flow description of ARMCO Iron”, EUROMAT’99 International Congress
on Advanced Materials and Processes, Munich, pp.263-268 ,1999*

TENDO M., TADOKORO Y., SUETSUGU K. y NAKAZAWA T.

*“Effects of nitrogen, niobium and molybdenum on strengthening of austenitic
stainless steel produced by thermo-mechanical control process”, ISIJ
International, Vol. 41, No 3,pp. 262-267, 2001*

TORRES GARCIA A.

*“Fabricación de los aceros inoxidables”, II Seminario de Tecnología
Metalúrgica, Ed por Salán M. N., Mateo A. M. y Cabrera J. M., pp. 5-12,
Barcelona, 2000*

TWISS R. J.

*“Theory and applicability of a recrystallized grain size paleopiezometer”,
Pageoph, Vol. 115, pp.227-244, 1977*

YOSHIE A., MORIKAWA H., ONOE Y. y ITOH K.

*“Formulation of static recrystallization of austenite in hot rolling process of
steel plate”, Trans. ISIJ 27, pp. 425-431, 1987*

USHIODA K., OHSONE H. y ABE M.

*“Recrystallization textures after rolling under the condition of dynamic strain
aging”, Fundamental Research Laboratory, Nippon Steel Corporation, 1981*

XU Y., CHEN L., WANG D. y JIN L.

"High temperature softening behaviorss and flow stress model for a high molybdenum austenitic stainless steel", *Journal of Shanghai University*, 4, 3, pp. 254-259. **2000**

VOCE E.

J. Inst. Metals, 74, pp. 537-540, **1948**

WALTER J. L. y KOCH E. F.O

"Substructure and recrystallization of deformed (100)[001]-oriented crystals of high-purity silicon-iron", *Acta Metall*, Vol. 11, pp. 923-938, **1963**

WILKINSON A. J.

"Deformation studies of metal matrix composites using electron backscatter patterns", *Materials Science and engineering*, Vol. A135, pp. 189-193, **1991**

ZENER C. y HOLLOMON J. H.

"Plastic flow and rupture of metals", *Trans. of the ASM*, Vol. 33, pp. 163-235, **1944**