

## 8 Bibliografía

- ✚ ARAMIS, *Determination of forming limit diagrams using Aramis*. User's Manual v5.4.1
- ✚ Arrieux R., *Computer aided measurement of grid network deformation, for the determination of forming limit diagrams*, Annals of CIRP Vol. 33/1 (1984) 171-174.
- ✚ Bragard A., Baret J.C., Bonnarens H., *As simplified method to determine the FLD onset of localised necking*, Rapport Centre de Recherche de la Métallurgie (1972) 35p., n°33.
- ✚ Charpentier P., *Influence of punch curvature on the stretching limits of sheet steel*, Metallurgical and Materials Transactions, Vol. 6A (1975) 1665-1669.
- ✚ Col A., Balan T., *About the neglected influence of gradients on strain localisation*, Numiform Conference (2007), 147-152.
- ✚ Dantec Dynamics, *Q-400 Basics of 3D digital image correlation and Error estimations of 3D digital image correlation measurements*, Application Note & Technical Note (2006).
- ✚ Dodd B., Bai Y., *Ductile fracture and ductility*, Academic Press Inc. (1987).
- ✚ Eberle B., Volk. W., Hora P., *Automatic approach in the evaluation of the experimental FLC with a full 2D approach based on a time depending method*, Numisheet'08 (2008) 279-284.
- ✚ Feldmann P., Schatz M., Aswendt P., *Automatic FLC-value determination from 4D strain data*, International Deep Drawing Research Group, IDDRG International Conference (2009), 533-546.
- ✚ Geiger M., Merklein M., *Determination of forming limit diagrams – a new analysis method for characterization of material's formability*, Annals of the CIRP (2003).
- ✚ GOM Optical Measuring Techniques, <http://gom.com>.
- ✚ Goodwin G.M., *Application of strain analysis to sheet metal forming in the press shop*, SAE paper N° 680093 (1968).
- ✚ Gosh A. K., Hecker S. S., *Stretching limits in sheet metals: in-plane versus out-of-plane deformation*, Metallurgical Transactions Vol. 5 (1974) 2161-2164.

- Hosford W.F., Caddel R.M., *Metal forming, mechanics and metallurgy*, Cambridge University Press (2007).
- Hotz W., Timm J., *Experimental determination of forming limit curves (FLC)*, Numisheet'08 (2008) 271-278.
- Huang M., Zhang L., Yang L., *On the failure of AHSS at tooling radius*, Numisheet (2008), 307-309.
- ISO 12004-2, *Metallic materials-Sheet and Strip-Determination of forming limit curves in laboratory*, (2008).
- Kahn-Jetter Z., Jha N. K., Bathia H., *Optimal image correlation in experimental mechanics*, Optical engineering Vol. 33 (1994) 1099-1105.
- Keeler, S.P., Backhofen W.A., *Plastic instability and fracture in sheet stretched over rigid punches*, ASM Transactions Quarterly 56 (1964) 25-48.
- Keller S., Hotz W., Friebe H., *Yield curve determination using the bulge test combined with optical measurement*, International Deep Drawing Research Group, IDDRG International Conference (2009), 319-330.
- Kitting D., Ofenheimer A., Jain M., Pauli, H., Rabler G., *Experimental characterisation of failure of stretch-bend steel sheets*, Numisheet'08 (2008), 315-320.
- Kitting D., Ofenheimer A., Pauli H., Till E.T., *Forming limits of stretch-bent steel sheets*, International Deep Drawing Research Group, IDDRG International Conference (2009), 425-435.
- Kumar S., Date P.P, Narasimhan K., *A new criterion to predict necking failure under biaxial stretching*, Journal of Materials Processing Technology 45 (1994) 583-588.
- Lagattu F., Brillaud J., Lafarie M.C., *Hish strain gradient measurements by using digital image correlation technique*, Materials Characterization 53 (2004) 17-28.
- Marciniak Z., Kuczyinski K, *Limit strains in the processes of stretch-forming sheet metal*, International Journal of Mechanical Sciences Vol. 9 (1967) 609-620.
- Martínez A.J., Vallellano C., Morales D., García-Lomas F.J, *Experimental Detection of the Onset of Necking in Stretch-Bending*, 3rd Manufacturing Engineering Society International Conference (2009).
- Martínez A.J., Vallellano C., Morales D., García-Lomas F.J, *On the Experimental Detection of Necking in Stretch-Bending Tests*, American Institute of Physics. Melville, USA (2009).
- Mguil-Touchal S., Morestin F., Brunet M., *Various experimental applications of digital image correlation method*, Insa (Lyon).

- Morales D., Martínez A.J., Vallellano C., García-Lomas F.J., *Bending effect in the failure of stretch-bend metal sheets*, 12th International Esaform Conference on Material Forming (2009).
- Ramakrishnan N., Srivastava V., Narasimhan K., *Effect of failure criteria on the forming limits predictions of forming grade aluminum sheets*, International Deep Drawing Research Group, IDDRG International Conference (2009), 471-477.
- Sène N. A., Balland P., Arrieux R., *About necking detection to determine forming limit diagrams for mini stamping*, 17th Int. Sci. and Tech. Conf. “Design and Technology of Drawpieces and Die Stampings”, (2008) 241-253.
- Situ Q., Jain M., Bruhis M., *A suitable criterion for precise determination of incipient necking in sheet materials*, Materials Science Forum, Vol. 519-521 (2006) 111-116.
- Situ Q., Jain M., Bruhis M., *Further experimental verification of a proposed localized necking criterion*, Numiform'07 (2007) 907-911.
- Stoughton T. B., *Generalized metal failure criterion*, Numisheet (2008) 241-246.
- Tharrett M. R., Stoughton T. B.: Stretch-bend forming limits of 1008 AK steel, SAE paper 2003-01-1157, 2003.
- Tharrett M. R., Stoughton T. B., *Stretch-Bend forming limits of 1008 AK steel, 70/30 bras, and 6010 aluminum*, Dislocations Plasticity & Metal Forming (2003) 199-201.
- Till E.T., Berger E., Larour P, *On an exceptional forming behaviour aspect of AHSS sheets*, International Deep Drawing Research Group, IDDRG International Conference (2008).
- Vacher P., Haddad A., Arrieux R., *Determination of the forming limit diagrams using image analysis by the correlation method*, Annals of the CIRP 48/1 (1999) 227-230
- Vallellano C., Morales D., García-Lomas F. J., *On the study of the effect of bending in the formability of metal sheets*. Numisheet (2008), 85-90.
- Wagoner R.H., Chan K.S., Keeler S.P., *Forming limits diagrams: Concept, methods and applications*, A publication of TMS (1989).