

MANUSCRIPT PREPARATION

12.5 UDC 621.73.06-52

Petrov I.I.

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INVESTIGATION OF THE PROCESSES COMBINED EXTRUSION OF PARTS WITH FLANGE

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Using of the processes combined extrusion

The purpose of the work is ...

As a general form of load of extrusion process is used [1]:

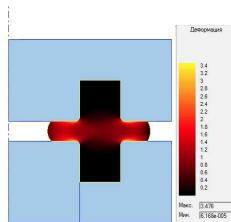
$$P = p \cdot F,$$

p – pressure of technical process, MPa;

F – the contact area of workpiece with tools, mm^2

... dependence ... is resulted ... (Fig. 1)...

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Fig. 2. The scheme of combined extrusion

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... results ... shown ...table. 1 ...

(1)

The results of calculation

Table 1

		$\Phi \geq 8mm$

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SUMMARY

12.5 In this paper is performed the analysis...influence of initial parameters and ...factors

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REFERENCES

1. Kattner U. R. *The thermodynamic modeling of multicomponent phase equilibria* / U. R. Kattner // *J. Metals.* – 1997. – V. 49. – N 12. – P. 14–19.
2. Turchanin M. A. *Modeling of the Temperature-Concentration Dependence of Thermodynamic Properties and Metastable Phase Equilibria in the Binary Ni-(Ti, Zr, Hf) Systems* / M. A. Turchanin, P. G. Agraval, A.A. Turchanin // *6th International School-Conference "Phase Diagrams in Materials Science"*, Kiev, Ukraine, 14-20 October, 2001. – P. 39.

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INFORMATION REPORT
XVII INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE,
«ACHIEVEMENTS AND PROBLEMS OF TECHNOLOGIES AND MACHINERY PRESSURE PROCESSING DEVELOPMENT»
devoted the date of 80 years J.St.Co.

April, 22-25, 2014
Ukraine, Kramatorsk

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Donbass State Engineering Academy, AGH University of Science and Technology, Donetsk Institute for Physics and Engineering named after O.O.Galkin of the National Academy of Sciences of Ukraine, MAMI Moscow State Technical University, Novokramatorsky Mashinostroiteльny Zavod J.St.Co., Energomashspetsstal J.St.Co. in April, 2014 hold the International scientific and technical conference «Achievements and problems of technologies and machinery pressure processing development» with the issue of the scientific works collection included in the list of Special Ukraine publication.

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The program of conference provides:

- ✓ plenary reports;
- ✓ bench reports;
- ✓ excursions to the leading enterprises of the region;
- ✓ excursion to Svyatogorsk Lavra;
- ✓ other activities.



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- ✓ modeling of technological processes of processing of metals by pressure;
- ✓ application of intensive plastic deformation for production improvement of quality;
- ✓ new technologies of exact volume pressing and forging;
- ✓ improvement of technological schemes rolling and drawings;
- ✓ metal forming improvement of equipment in mechanical engineering and metallurgy.

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The registration fee for delegates and authors is 2 €.

The fee includes Conference Proceedings, visit to the leading enterprises of the region, banquet and social program.

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