

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]:

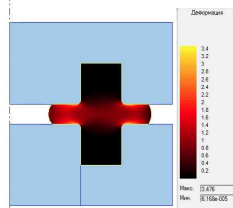
$$P = p \cdot F \quad (1)$$

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 ...

Table 1

The results of calculation

		$\Delta \geq 8mm$

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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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Информационная поддержка
журнала «Металлообработка»

При поддержке TEMPUS



INFORMATION REPORT
XVII INTERNATIONAL
SCIENTIFIC AND TECHNICAL
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«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

Dear colleague!

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 Mashinostroitelny Zavod J.St.Co., Energomash-spetsstal 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.

The program and subjects of conference:

The program of conference provides:

- ✓ plenary reports;
- ✓ bench reports;
- ✓ excursions to the leading enterprises of the region;
- ✓ excursion to Syatogorsk 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.

Working languages of the conference: Ukrainian, Russian, German, English.

XV INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE,

« ACHIEVEMENTS AND PROBLEMS OF TECHNOLOGIES AND MACHINERY PRESSURE PROCESSING DEVELOPMENT »

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another ☐

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☐ The admission fee will be brought at registration

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To the publication are accepted materials in volume **from 5 to 8 full** pages. All materials presented in duplicate, printed on the laser (*jet*) printer and (*necessarily*) on an electronic data carrier (*a disk, a diskette*). Scientific articles with signatures of authors, demands and texts of summaries are sent to the address of organizing committee and to **pnir@digma.donetsk.ua** address with a theme mark (*Ivanov Kiev*). Besides, on article are applied:

- summaries (*10-12 lines in the size 10 pt*) in Russian, Ukrainian and English languages (*the text of summaries and heading of the article in all languages should be completely identical, contain purpose, design/methodology/approach, findings, originality/value*);

- keywords (*5-8 words, the size 10 pt*) in Russian, Ukrainian and English languages;

- short data on **all** authors of article;

- examination certificates (*for authors from Ukraine*);

- the review of the doctor of sciences and an extract from faculty meeting or department;

The article structure should meet the VAK requirements and contain sections:

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- **the formulation of the purpose of article** (*since a new line – «the work purpose is»*) and statement of private problems which are solved in article;

- **a statement of the basic material** of research with full substantiation the received scientific results;

- **conclusions** (*with the heading CONCLUSIONS located on the centre of a line*).

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Formulas are typed in editor **Microsoft Equation 2.0/3.0** with para-metres: usual – 12 pt; a large index – 10 pt; a small index–8 pt; a large symbol – 14 pt; a small symbol – 8 pt, alignment on the centre of page without indentation space. Numbering of formulas carry out leveling number on the right field.

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