

ON THE BEST CONDITIONS FOR LARGE SCALE INTRODUCTION OF PUNCHERS AND MODULATED DIES IN THE MANUFACTURING COURSE

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Abstract: The contents of the technical and technological activities about manufacturing the punchers and dies under classic system shall determine the conclusions of setting up the designing department or working place in the tooling departments, warehouse etc, and also the order of carrying out the designing, assembling, exploiting and so on activities. This fact may be highlighted by comparing the total of the technical and technological activities used for manufacturing the same punchers or dies conceived under a classic system or of modulated elements.

Actions typical for diverse stages of designing and manufacturing the puncher or die under classic system

In the case of designing and manufacturing the puncher or die under classic system, all the technical and technological activities are made up of a series of actions, typical for the diverse stages, as follows: activity of designing the puncher or die; working out the technological manufacturing course of the designed puncher or die; launching the manufacturing order of the designed puncher or die ; manufacturing the designed puncher or die proiectate; homologating the manufactured puncher or die; taking over the homologated tool to the warehouse; introducing the puncher or die in exploitation

Actions typical for the diverse stages of designing and manufacturing the puncher or die under modulated system

In the case of the punchers and modulated dies, all the technical and technological actions shall be changed, like follows :

designing the puncher or die; working out the technological course of manufacturing the special purpose designed elements; launching in manufacture the designed elements; manufacturing the punchers or modulated dies; homologating the punch or modulated die; submitting the technical and homologating documentations to the archive of the designing department; dismantling the puncher or die after they have been used for manufacturing the lot of parts.

So, in order to provide for the required conditions for developing the assembling, adjusting and putting into service operations for the punchers and modulated dies the following organizational provisions shall be compulsory noticed;

- fitting out a warehouse fitted with shelves for storing and preserving the modulated elements;
- fitting out, within the warehouse, a space for assembling, adjusting and dismantling the punchers and modulated dies. These spaces must be fitted with tables for assembling works, benches for locksmith's shop works, tools kits for assembling, mechanic or hand presses, lifting machines and devices etc;
- providing the technical documentation about the used methods and procedures for the rational assembling of the punchers and modulated dies;
- providing the furniture for maintaining the technical documentation about the assembling, exploiting and maintaining the punchers and modulated dies;
- providing the qualified technical personnel in the field of assembling, adjusting, exploiting and maintaining the punchers and dies of modulated elements;

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