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Titolo	Empirical stagnation-point heat-transfer relation in several gas mixtures at high enthalpy levels / / by Ernest V. Zoby
Pubbl/distr/stampa	Washington, D.C. : , : National Aeronautics and Space Administration, , October 1968
Descrizione fisica	1 online resource (17 pages) : illustrations
Collana	NASA technical note ; ; TN D-4799
Soggetti	Gases Artificial atmospheres (Space environment)
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"October 1968."
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2. Record Nr.	UNINA9910557793303321
Titolo	Technologies of Coatings and Surface Hardening for Tool Industry
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (250 p.)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
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Sommario/riassunto	<p>The innovative coating and surface hardening technologies developed in recent years allow us to obtain practically any physical-mechanical or crystal-chemical complex properties of the metalworking tool surface layer. Today, the scientific approach to improving the operational characteristics of the tool surface layers produced from traditional tools industrial materials is a highly costly and long-lasting process. Different technological techniques, such as coatings (physical and chemical methods), surface hardening and alloying (chemical-thermal treatment, implantation), a combination of the listed methods, and other solutions are used for this. This edition aims to provide a review of the current state of the research and developments in the field of coatings and surface hardening technologies for cutting and die tools that can ensure a substantial increase of the work resource and reliability of the tool, an increase in productivity of machining, accuracy, and quality of the machined products, reduction in the material capacity of the production, and other important manufacturing factors. In doing so, the main emphasis should be on the results of the engineering works that have had a prosperous approbation in a laboratory or real manufacturing conditions.</p>