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| Titolo | Hardrock tunnel boring machines / / Bernhard Maidl ... [et al.] ; in cooperation with Gerhard Wehrmeyer and Marcus Derbot |
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| ISBN | 9786612007910 9783433601402 3433601402 9781282007918 1282007912 9783433600122 3433600120 9783433600139 3433600139 |
| Descrizione fisica | 1 online resource (359 p.) |
| Altri autori (Persone) | MaidlBernhard |
| Disciplina | 624.1930284 |
| Soggetti | Tunneling - Equipment and supplies Drilling and boring machinery |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Hardrock Tunnel Boring Machines; Preface; Contents; 1 Historical Development and Future Challenges; 2 Basic Principles and Definitions; 3 Boring Operation; 4 Thrust; 5 Material Transport; 6 Backup Equipment; 7 Ventilation, Dust Removal, Working Safety, Vibration; 8 Additional Equipment; 9 Tunnel Support; 10 Gripper TBM and Shield Machine Combinations; 11 Special Processes: Combinations of TBM Drives with Shotcrete; 12 Geological Investigations and Influences; 13 Classification for Excavation and Support; 14 Tendering, Award, Contract; 15 Tunnel Lining; 16 Examples of Completed Tunnels ReferencesIndex |
| Sommario/riassunto | This book covers the fundamentals of tunneling machine technology: drilling, tunneling, waste removal and securing. It treats methods of rock classification for the machinery concerned as well as legal issues, |

using numerous example projects to reflect the state of technology, as well as problematic cases and solutions. The work is structured such that readers are led from the basics via the main functional elements of tunneling machinery to the different types of machine, together with their areas of application and equipment. The result is an overview of current developments. Close cooper
