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Titolo	Recent Developments in Braiding and Narrow Weaving // edited by Yordan Kyosev
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-29932-8
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (175 p.)
Disciplina	540
Soggetti	Textile industry Materials science Industrial engineering Production engineering Textile Engineering Characterization and Evaluation of Materials Industrial and Production Engineering
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 at the end of each chapters.
Nota di contenuto	Modern needle weaving machines -- Modern shuttle weaving machines for special fabrics -- New developments in the braiding machines -- automatic carrier change on braiding machines -- Integration of sensors in braids -- Innovative braid-weaving process -- Problems of the rope connectors -- Simulation of braiding for medical applications -- Modern CAD for braiding -- UHWPE tapes as replacement of metal chains -- Prediction of mechanical properties of belts -- Finishing of belts. .
Sommario/riassunto	This book discusses the latest developments in narrow fabrics from research institutions, machinery building companies and producers of such products, presented during the International Week of Narrow Fabrics in March 2016 in Mönchengladbach, Germany. It also demonstrates different applications of braided and woven fabrics. Braided and woven narrow products are produced using completely different techniques, but have a lot of similarities in their applications – they are used as belts, ropes and tubes in areas ranging from medical

textiles, cables, technical and home applications to large-scale transport belts and long tubes for transporting oil from the bottom of the ocean.

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