

1. Record Nr.	UNINA9910792039903321
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Titolo	Powder-actuated fasteners and fastening screws in steel construction [[electronic resource]] / Hermann Beck, Michael Siemers, Martin Reuter
Pubbl/distr/stampa	Somerset County, N.J., : Ernst & Sohn, 2011
ISBN	1-299-31597-6 3-433-60202-6
Descrizione fisica	1 online resource (86 p.)
Altri autori (Persone)	SiemersMichael ReuterMartin
Disciplina	672.82
Soggetti	Plates, Iron and steel Steelwork
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Title Page; Contents; 1 Introduction; 2 Powder-actuated fastening technology; 2.1 Basic principles; 2.1.1 Methods and terminology; 2.1.2 From high-velocity tools to low-velocity piston tools; 2.1.3 CE marking and C.I.P. approval of powder-actuated fastening tools; 2.1.4 Powder-actuated fasteners: Features and characteristics; 2.1.4.1 Geometry and form; 2.1.4.2 Knurling; 2.1.4.3 Washers; 2.1.4.4 Fastener materials and mechanical properties; 2.1.4.5 Corrosion protection; 2.1.4.6 Blunt tip powder-actuated fasteners; 2.1.4.7 Manufacturing process 2.1.5 Interdependency: powder-actuated fastener - fastening tool - cartridge 2.2 Powder-actuated fastening terms and definitions; 2.2.1 Depth of penetration and fastener stand-off; 2.2.2 Application range and application limits; 2.3 Anchorage in unalloyed structural steel; 2.3.1 Anchorage mechanisms; 2.3.2 Load-displacement characteristics; 2.3.3 Parameters influencing anchorage; 2.3.3.1 Depth of penetration; 2.3.3.2 Base material thickness; 2.3.3.3 Base material strength; 2.3.3.4 Knurling; 2.3.4 Robustness of the anchorage; 2.3.4.1 Vibrational loading of powder-actuated fasteners 2.3.4.2 The influence of static stress in the base material 2.3.4.3 The influence of vibration of the base material; 2.3.4.4 Influence of ground fastener points; 2.3.4.5 The influence of temperature; 2.4 Fastener anchorage in alloyed steels, cast iron and non-ferrous metals; 2.5

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