

DIN Handbook 349 Technical springs - Standards for basic materials and semi-finished products

표준번호	발행연도	표준명
DIN 59200	2001-05	Flat products of steel - Hot rolled wide flats - Dimensions, mass, tolerances on dimensions, shape and mass
DIN EN 1412	1995-12	Copper and copper alloys - European numbering system; German version EN 1412:1995
DIN EN 1652	1998-03	Copper and copper alloys - Plate, sheet, strip and circles for general purposes; German version EN 1652:1997
DIN EN 1654	1998-03	Copper and copper alloys - Strip for springs and connectors; German version EN 1654:1997
DIN EN 10048	1996-10	Hot-rolled narrow steel strip - Tolerances on dimensions and shape; German version EN 10048:1996
DIN EN 10051	2011-02	Continuously hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels - Tolerances on dimensions and shape; German version EN 10051:2010
DIN EN 10088-2	2005-09	Stainless steels - Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes; German version EN 10088-2:2005
DIN EN 10089	2003-04	Hot rolled steels for quenched and tempered springs - Technical delivery conditions; German version EN 10089:2003
DIN EN 10092-1	2004-01	Hot rolled spring steel flat bars - Part 1: Flat bars - Dimensions and tolerances on shape and dimensions; German version EN 10092-1:2003
DIN EN 10092-2	2004-01	Hot rolled spring steel flat bars - Part 2: Ribbed and grooved spring leaves, Dimensions and tolerances on shape and dimensions; German version EN 10092-2:2003
DIN EN 10131	2006-09	Cold rolled uncoated and zinc or zinc-nickel electrolytically coated low carbon and high yield strength steel flat products for cold forming - Tolerances on dimensions and shape; German version EN 10131:2006
DIN EN 10132-1	2000-05	Cold-rolled narrow steel strip for heat-treatment - Technical delivery conditions - Part 1: General; German version EN 10132-1:2000
DIN EN 10132-4	2003-04	Cold-rolled narrow steel strip for heat-treatment - Technical delivery conditions - Part 4: Spring steels and other applications; German version EN 10132-4:2000 + AC:2002
DIN EN 10140	2006-09	Cold rolled narrow steel strip - Tolerances on dimensions and shape; German version EN 10140:2006
DIN EN 10151	2003-02	Stainless steel strip for springs - Technical delivery conditions; German version EN 10151:2002
DIN EN 10204	2005-01	Metallic products - Types of inspection documents; German version EN 10204:2004
DIN EN 10218-1	2012-03	Steel wire and wire products - General - Part 1: Test methods; German version EN 10218-1:2012
DIN EN 10218-2	2012-03	Steel wire and wire products - General - Part 2: Wire dimensions and tolerances; German version EN 10218-2:2012
DIN EN 10270-1	2012-01	Steel wire for mechanical springs - Part 1: Patented cold drawn unalloyed spring steel wire; German version EN 10270-1:2011
DIN EN 10270-2	2012-01	Steel wire for mechanical springs - Part 2: Oil hardened and tempered spring steel wire; German version EN 10270-2:2011
DIN EN 10270-3	2012-01	Steel wire for mechanical springs - Part 3: Stainless spring steel wire; German version EN 10270-3:2011
DIN EN 12166	2011-08	Copper and copper alloys - Wire for general purposes; German version EN 12166:2011
DIN EN 12384	1999-03	Copper and copper alloys - Determination of spring bending limit on strip; German version EN 12384:1999
DIN EN ISO 9444-2	2010-11	Continuously hot-rolled stainless steel - Tolerances on dimensions and form - Part 2: Wide strip and sheet/plate (ISO 9444-2:2009); German version EN ISO 9444-2:2010
DIN EN ISO 9445-1	2010-06	Continuously cold-rolled stainless steel - Tolerances on dimensions and form - Part 1: Narrow strip and cut lengths (ISO 9445-1:2009); German version EN ISO 9445-1:2010
DIN EN ISO 9445-2	2010-06	Continuously cold-rolled stainless steel - Tolerances on dimensions and form - Part 2: Wide strip and plate/sheet (ISO 9445-2:2009); German version EN ISO 9445-2:2010