

Symbol	Typ	Titel
<b>F</b>	<b>Sektion</b>	<b>MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING</b>
<b>F16</b>	<b>Klasse</b>	<b>ENGINEERING ELEMENTS OR UNITS; GENERAL MEASURES FOR PRODUCING AND MAINTAINING EFFECTIVE FUNCTIONING OF MACHINES OR INSTALLATIONS ; THERMAL INSULATION IN GENERAL</b>
<b>F16B</b>	<b>Unterklasse</b>	<b>DEVICES FOR FASTENING OR SECURING CONSTRUCTIONAL ELEMENTS OR MACHINE PARTS TOGETHER, e.g. NAILS, BOLTS, CIRCLIPS, CLAMPS, CLIPS OR WEDGES; JOINTS OR JOINTING (couplings for transmitting rotation F16D)</b>
<b>F16B 1/00</b>	<b>Hauptgruppe</b>	<b>Devices for securing together, or preventing relative movement between, constructional elements or machine parts [1, 2006.01]</b>
F16B 1/02	1-Punkt Untergruppe	. Means for securing elements of mechanisms after operation (means for bringing members to rest F16D) [1, 2006.01]
F16B 1/04	2-Punkt Untergruppe	. . disengaged by movement of the actuating member of the element (locking of actuators G05G, e.g. G05G 5/00) [1, 2006.01]
		<b><u>Fastenings for constructional elements or machine parts in general</u></b>
<b>F16B 2/00</b>	<b>Hauptgruppe</b>	<b>Friction-grip releasable fastenings (for cables or ropes, e.g. cleats, F16G 11/00; supports for pipes, cables or protective tubing F16L 3/00) [1, 2006.01]</b>
F16B 2/02	1-Punkt Untergruppe	. Clamps, i.e. with gripping action effected by positive means other than the inherent resistance to deformation of the material of the fastening [1, 2006.01]
F16B 2/04	2-Punkt Untergruppe	. . internal, i.e. with spreading action (F16B 2/14-F16B 2/18 take precedence) [1, 2006.01]
F16B 2/06	2-Punkt Untergruppe	. . external, i.e. with contracting action (F16B 2/14-F16B 2/18 take precedence) [1, 2006.01]
F16B 2/08	3-Punkt Untergruppe	. . . using bands (clips for connecting hoses to rigid members F16L 33/02) [1, 2006.01]
F16B 2/10	3-Punkt Untergruppe	. . . using pivoting jaws [1, 2006.01]
F16B 2/12	3-Punkt Untergruppe	. . . using sliding jaws [1, 2006.01]
F16B 2/14	2-Punkt Untergruppe	. . . using wedges [1, 2006.01]
F16B 2/16	2-Punkt Untergruppe	. . . using rollers or balls [1, 2006.01]
F16B 2/18	2-Punkt Untergruppe	. . . using cams, levers, eccentrics, or toggles [1, 2006.01]
F16B 2/20	1-Punkt Untergruppe	. Clips, i.e. with gripping action effected solely by the inherent resistance to deformation of the material of the fastening [1, 2006.01]
F16B 2/22	2-Punkt Untergruppe	. . of resilient material, e.g. rubbery material [1, 2006.01]
F16B 2/24	3-Punkt Untergruppe	. . . of metal [1, 2006.01]
F16B 2/26	2-Punkt Untergruppe	. . of pliable non-resilient material, e.g. plant tie [1, 2006.01]
<b>F16B 3/00</b>	<b>Hauptgruppe</b>	<b>Key-type connections; Keys (F16B 2/00 takes precedence; for rods or tubes mutually F16B 7/00) [1, 2006.01]</b>
F16B 3/04	1-Punkt Untergruppe	. using keys formed of wire or other flexible material, to be inserted through an opening giving access to grooves in the adjacent surfaces of the parts to be connected [1, 2006.01]
F16B 3/06	1-Punkt Untergruppe	. using taper sleeves [1, 2006.01]
<b>F16B 4/00</b>	<b>Hauptgruppe</b>	<b>Shrinkage connection, e.g. assembled with the parts at different temperature; Force fits (restricted to metal parts or objects B23P 11/02); Non-releasable friction-grip fastenings (F16B 2/00 takes precedence) [1, 2006.01]</b>
<b>F16B 5/00</b>	<b>Hauptgruppe</b>	<b>Joining sheets or plates to one another or to strips or bars parallel to them (by sticking together F16B 11/00; dowel connections F16B 13/00; pins, including deformable elements F16B 19/00;</b>

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		<b>covering of walls E04F 13/00; fastening signs, plates, panels, or boards to a supporting structure, fastening readily-detachable elements, e.g. letters, to signs, plates, panels, or boards, G09F 7/00) [1, 2006.01]</b>
F16B 5/01	1-Punkt Untergruppe	. by means of fastening elements specially adapted for honeycomb panels [1, 2006.01]
F16B 5/02	1-Punkt Untergruppe	. by means of fastening members using screw-thread (construction of screw-threaded connections F16B 25/00-F16B 39/00) [1, 2006.01]
F16B 5/04	1-Punkt Untergruppe	. by means of riveting (rivets F16B 19/04) [1, 2006.01]
F16B 5/06	1-Punkt Untergruppe	. by means of clamps or clips (friction-grip releasable fastenings in general F16B 2/00) [1, 2006.01]
F16B 5/07	1-Punkt Untergruppe	. by means of multiple interengaging protrusions on the surfaces, e.g. hooks, coils [1, 2006.01]
F16B 5/08	1-Punkt Untergruppe	. by means of welds or the like (welding B23K) [1, 2006.01]
F16B 5/10	1-Punkt Untergruppe	. by means of bayonet connections (fastening devices locking by rotation F16B 21/02) [1, 2006.01]
F16B 5/12	1-Punkt Untergruppe	. Fastening strips or bars to sheets or plates, e.g. rubber strips, decorative strips for motor vehicles, by means of clips (friction-grip releasable fastenings in general F16B 2/00; fastening rods or tubular parts to flat surfaces at an angle F16B 9/00; clips for connecting hoses to rigid members F16L 33/02) [1, 2006.01]
<b>F16B 7/00</b>	<b>Hauptgruppe</b>	<b>Connections of rods or tubes, e.g. of non-circular section, mutually, including resilient connections (umbrella frames A45B 25/02; welding or soldering of connections B23K; vehicle connections in general B60D; railway couplings B61G; bicycle frames B62K; couplings for transmitting rotation F16D; couplings for tubes conveying fluid F16L) [1, 2006.01]</b>
F16B 7/02	1-Punkt Untergruppe	. with conical parts [1, 2006.01]
F16B 7/04	1-Punkt Untergruppe	. Clamping or clipping connections (friction-grip releasable fastenings in general F16B 2/00) [1, 2006.01]
F16B 7/06	1-Punkt Untergruppe	. Turnbuckles (for cables, ropes, or wire F16G 11/12) [1, 2006.01]
F16B 7/08	1-Punkt Untergruppe	. Pipe saddles (friction-grip releasable fastenings in general F16B 2/00) [1, 2006.01]
F16B 7/10	1-Punkt Untergruppe	. Telescoping systems (for scaffolding E04G 25/04; telescope props for mining E21D 15/14-E21D 15/46; stands or trestles as supports for apparatus or articles placed thereon F16M 11/00) [1, 2006.01]
F16B 7/12	2-Punkt Untergruppe	.. locking only in extreme extended position [1, 2006.01]
F16B 7/14	2-Punkt Untergruppe	.. locking in intermediate positions [1, 2006.01]
F16B 7/16	3-Punkt Untergruppe	... locking only against movement in one direction [1, 2006.01]
F16B 7/18	1-Punkt Untergruppe	. using screw-thread elements [1, 2006.01]
F16B 7/20	1-Punkt Untergruppe	. using bayonet connections [1, 2006.01]
F16B 7/22	1-Punkt Untergruppe	. using hooks or like elements [1, 2006.01]
<b>F16B 9/00</b>	<b>Hauptgruppe</b>	<b>Connections of rods or tubular parts to flat surfaces at an angle (friction-grip releasable fastenings in general F16B 2/00; making press-fit connections B23P 11/00, B23P 19/00; fluid-tight connecting of pipes to reservoirs, sheets, or the like F16L, e.g. joining pipes to walls F16L 41/00; supports for pipes, cables or protective tubing F16L 3/00) [1, 2006.01]</b>
F16B 9/02	1-Punkt Untergruppe	. Detachable connections [1, 2006.01]
<b>F16B 11/00</b>	<b>Hauptgruppe</b>	<b>Connecting constructional elements or machine parts by sticking or pressing them together, e.g. cold pressure welding (non-electric welding in general B23K; methods of using adhesives independently of the form of the surfaces joined C09J 5/00) [1, 2006.01]</b>
<b>F16B 12/00</b>	<b>Hauptgruppe</b>	<b>Jointing of furniture or the like, e.g. hidden from exterior (F16B 2/00-F16B 11/00 take precedence; fastening means <u>per se</u> F16B 13/00-F16B 47/00; wood-working B27) [1, 2006.01]</b>
F16B 12/02	1-Punkt Untergruppe	. Joints between panels and corner posts [1, 2006.01]

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F16B 12/04	1-Punkt Untergruppe	. Non-loosenable joints for non-metal furniture parts, e.g. glued [1, 2006.01]
F16B 12/06	1-Punkt Untergruppe	. Non-loosenable joints for metal furniture parts [1, 2006.01]
F16B 12/08	2-Punkt Untergruppe	... without use of separate connecting elements [1, 2006.01]
F16B 12/10	1-Punkt Untergruppe	. using pegs, bolts, tenons, clamps, clips, or the like (glued F16B 12/04; fastening means <u>per se</u> F16B 15/00-F16B 47/00) [1, 2006.01]
F16B 12/12	2-Punkt Untergruppe	... for non-metal furniture parts, e.g. made of wood, of plastics [1, 2006.01]
F16B 12/14	3-Punkt Untergruppe	... using threaded bolts or screws [1, 2006.01]
F16B 12/16	4-Punkt Untergruppe	.... using self-tapping screws [1, 2006.01]
F16B 12/18	4-Punkt Untergruppe	.... using drawing bars [1, 2006.01]
F16B 12/20	3-Punkt Untergruppe	... using clamps, clips, wedges, sliding bolts, or the like [1, 2006.01]
F16B 12/22	3-Punkt Untergruppe	... using keyhole-shaped slots and pins [1, 2006.01]
F16B 12/24	3-Punkt Untergruppe	... using separate pins, dowels, or the like [1, 2006.01]
F16B 12/26	3-Punkt Untergruppe	... using snap-action elements [1, 2006.01]
F16B 12/28	2-Punkt Untergruppe	... for metal furniture parts [1, 2006.01]
F16B 12/30	3-Punkt Untergruppe	... using threaded bolts [1, 2006.01]
F16B 12/32	3-Punkt Untergruppe	... using clamps, clips, wedges, sliding bolts, or the like [1, 2006.01]
F16B 12/34	3-Punkt Untergruppe	... using keyhole-shaped slots and pins [1, 2006.01]
F16B 12/36	3-Punkt Untergruppe	... using separate pins, dowels, or the like [1, 2006.01]
F16B 12/38	3-Punkt Untergruppe	... using snap-action elements [1, 2006.01]
F16B 12/40	1-Punkt Untergruppe	. Joints for furniture tubing [1, 2006.01]
F16B 12/42	2-Punkt Untergruppe	... connecting furniture tubing to non-tubular parts [1, 2006.01]
F16B 12/44	1-Punkt Untergruppe	. Leg joints; Corner joints [1, 2006.01]
F16B 12/46	2-Punkt Untergruppe	... Non-metal corner connections [1, 2006.01]
F16B 12/48	2-Punkt Untergruppe	... Non-metal leg connections (F16B 12/46 takes precedence) [1, 2006.01]
F16B 12/50	2-Punkt Untergruppe	... Metal corner connections [1, 2006.01]
F16B 12/52	2-Punkt Untergruppe	... Metal leg connections (F16B 12/50 takes precedence) [1, 2006.01]
F16B 12/54	1-Punkt Untergruppe	. Fittings for bedsteads or the like [1, 2006.01]
F16B 12/56	2-Punkt Untergruppe	... Brackets for bedsteads; Coupling joints consisting of bolts or the like; Latches therefor [1, 2006.01]
F16B 12/58	2-Punkt Untergruppe	... Tapered connectors for bed rails [1, 2006.01]
F16B 12/60	2-Punkt Untergruppe	... Fittings for detachable side panels [1, 2006.01]
<b>F16B 13/00</b>	<b>Hauptgruppe</b>	<b>Dowels or other devices fastened in walls or the like by inserting them in holes made therein for that purpose (nails F16B 15/00; self-locking pins or bolts in general, stud-and-socket releasable fastenings F16B 21/00; dowels or bolts for railroad sleepers E01B 9/00; means for anchoring structural elements or bulkheads specially adapted to foundation engineering E02D 5/74; bolts or</b>

Symbol	Typ	Titel
		<b>dowels used while laying bricks or casting concrete E04B 1/38; setting anchoring bolts in shafts, tunnels or galleries E21D 20/00; anchoring bolts for shafts, tunnels or galleries E21D 21/00) [1, 5, 2006.01]</b>
F16B 13/02	1-Punkt Untergruppe	. in one piece with protrusions or ridges on the shaft [1, 2006.01]
F16B 13/04	1-Punkt Untergruppe	. with parts gripping in the hole or behind the reverse side of the wall after inserting from the front (friction-grip releasable fastenings in general F16B 2/00) [1, 2006.01]
F16B 13/06	2-Punkt Untergruppe	.. combined with expanding sleeve [1, 2006.01]
F16B 13/08	2-Punkt Untergruppe	.. with separate gripping parts moved into their final position in relation to the body of the device without further manual operation [1, 2006.01]
F16B 13/10	2-Punkt Untergruppe	.. with separate gripping parts moved into their final position in relation to the body of the device by a separate operation (F16B 13/06 takes precedence) [1, 2006.01]
F16B 13/12	1-Punkt Untergruppe	. Separate metal dowel sleeves fastened by inserting the screw, nail, or the like [1, 2006.01]
F16B 13/13	2-Punkt Untergruppe	.. self-cutting [2, 2006.01]
F16B 13/14	1-Punkt Untergruppe	. Non-metallic plugs or sleeves; Use of liquid, loose solid or kneadable material therefor [1, 5, 2006.01]
<b><u>Fastening means without screw-thread</u></b>		
<b>F16B 15/00</b>	<b>Hauptgruppe</b>	<b>Nails; Staples (surgical staples A61B 17/064; manufacture of nails or staples B21G; railway spikes E01B 9/06) [1, 2006.01]</b>
F16B 15/02	1-Punkt Untergruppe	. with specially shaped heads, e.g. with enlarged surfaces (ornaments for furniture A47B 95/04; removable ornamental heads for nails A47G 3/00) [1, 2006.01]
F16B 15/04	1-Punkt Untergruppe	. with spreading shaft [1, 2006.01]
F16B 15/06	1-Punkt Untergruppe	. with barbs, e.g. for metal parts; Drive screws [1, 2006.01]
F16B 15/08	1-Punkt Untergruppe	. formed in integral series but easily separable [1, 2006.01]
<b>F16B 17/00</b>	<b>Hauptgruppe</b>	<b>Fastening means without screw-thread for connecting constructional elements or machine parts by a part of or on one member entering a hole in the other (construction of bolts, pins, or rivets F16B 19/00; riveting F16B 19/04; means for preventing withdrawal of a pin, spigot, or the like from its operative position, stud-and-socket releasable fastenings F16B 21/00) [1, 2006.01]</b>
<b>F16B 19/00</b>	<b>Hauptgruppe</b>	<b>Bolts without screw-thread; Pins, including deformable elements (in screwed connections F16B 29/00); Rivets (means for preventing withdrawal F16B 21/00) [1, 2006.01]</b>
F16B 19/02	1-Punkt Untergruppe	. Bolts or sleeves for positioning of machine parts, e.g. notched taper pins, fitting pins, sleeves, eccentric positioning rings [1, 2006.01]
F16B 19/04	1-Punkt Untergruppe	. Rivets; Spigots or the like fastened by riveting (lead seals G09F 3/00) [1, 2006.01]
F16B 19/05	2-Punkt Untergruppe	.. Bolts fastening by swaged-on collars (F16B 19/08 takes precedence) [1, 2006.01]
F16B 19/06	2-Punkt Untergruppe	.. Solid rivets made in one piece [1, 2006.01]
F16B 19/08	2-Punkt Untergruppe	.. Hollow rivets; Multi-part rivets [1, 2006.01]
F16B 19/10	3-Punkt Untergruppe	... fastened by expanding mechanically [1, 2006.01]
F16B 19/12	3-Punkt Untergruppe	... fastened by fluid pressure, including by explosion (bolts shot by means of detonation-operated nailing tools into concrete constructions, metal walls, or the like F16B 19/14) [1, 2006.01]
F16B 19/14	1-Punkt Untergruppe	. Bolts or the like for shooting into concrete constructions, metal walls, or the like by means of detonation-operated nailing tools (tools therefor B25C, B27F) [1, 2006.01]
<b>F16B 21/00</b>	<b>Hauptgruppe</b>	<b>Means without screw-thread for preventing relative axial movement of a pin, spigot, shaft, or the like and a member surrounding it (riveted or deformable spigots F16B 19/04; for gudgeon pins F16J 1/18); Stud-and-socket releasable fastenings without screw-thread [1, 2006.01]</b>

Symbol	Typ	Titel
F16B 21/02	1-Punkt Untergruppe	. Releasable fastening devices locking by rotation (with snap action F16B 21/06; studs or coupling-pins with resilient protrusions F16B 21/08) [1, 2006.01]
F16B 21/04	2-Punkt Untergruppe	... with bayonet catch [1, 2006.01]
F16B 21/06	1-Punkt Untergruppe	. Releasable fastening devices with snap action [1, 2006.01]
F16B 21/07	2-Punkt Untergruppe	... in which the socket has a resilient part [1, 2006.01]
F16B 21/08	2-Punkt Untergruppe	... in which the stud, pin, or spigot has a resilient part (wall-dowels F16B 13/00) [1, 2006.01]
F16B 21/09	1-Punkt Untergruppe	. Releasable fastening devices with a stud engaging a keyhole slot [1, 2006.01]
F16B 21/10	1-Punkt Untergruppe	. by separate parts (key-type connection F16B 3/00; locking screws or nuts against rotation by such means F16B 39/04) [1, 2006.01]
F16B 21/12	2-Punkt Untergruppe	... with locking-pins or split-pins thrust into holes [1, 2006.01]
F16B 21/14	3-Punkt Untergruppe	... Details of locking-pins or split-pins [1, 2006.01]
F16B 21/16	2-Punkt Untergruppe	... with grooves or notches in the pin or shaft [1, 2006.01]
F16B 21/18	3-Punkt Untergruppe	... with circlips or like resilient retaining devices; Details (spring-washers for locking nuts F16B 39/24; adjusting-rings F16B 43/00) [1, 2006.01]
F16B 21/20	2-Punkt Untergruppe	... for bolts or shafts without holes, grooves, or notches for locking members [1, 2006.01]
<b><u>Fastening means using screw-thread</u></b>		
<b>F16B 23/00</b>	<b>Hauptgruppe</b>	<b>Specially-shaped heads of bolts or screws for rotations by a tool [1, 2006.01]</b>
<b>F16B 25/00</b>	<b>Hauptgruppe</b>	<b>Screws that form threads in the body into which they are screwed, e.g. wood screws, self-tapping screws [1, 4, 2006.01]</b>
F16B 25/02	1-Punkt Untergruppe	. by a cutting and material removing action, e.g. fluted self-tapping screws [4, 2006.01]
F16B 25/04	1-Punkt Untergruppe	. by a slicing and material displacing action, e.g. wood screws with sharp thread crests [4, 2006.01]
F16B 25/06	1-Punkt Untergruppe	. by swaging, i.e. material deforming action [4, 2006.01]
F16B 25/08	1-Punkt Untergruppe	. by a combination of any two or all of the actions provided for in groups F16B 25/02-F16B 25/06 [4, 2006.01]
F16B 25/10	1-Punkt Untergruppe	. Screws performing an additional function to thread-forming, e.g. drill screws [4, 2006.01]
<b>F16B 27/00</b>	<b>Hauptgruppe</b>	<b>Bolts, screws, or nuts formed in integral series but easily separable, particularly for use in automatic machines [1, 2006.01]</b>
<b>F16B 29/00</b>	<b>Hauptgruppe</b>	<b>Screwed connection with deformation of nut or auxiliary member while fastening (wall-dowels F16B 13/00; members deformed for locking screws, bolts or nuts F16B 39/22) [1, 2006.01]</b>
<b>F16B 31/00</b>	<b>Hauptgruppe</b>	<b>Screwed connections specially modified in view of tensile load; Break-bolts (shape of thread F16B 33/04) [1, 2006.01]</b>
F16B 31/02	1-Punkt Untergruppe	. for indicating or limiting tensile load [1, 2006.01]
F16B 31/04	1-Punkt Untergruppe	. for maintaining constant tensile load [1, 2006.01]
F16B 31/06	1-Punkt Untergruppe	. having regard to possibility of fatigue rupture [1, 2006.01]
<b>F16B 33/00</b>	<b>Hauptgruppe</b>	<b>Features common to bolt and nut (wall-dowels F16B 13/00) [1, 2006.01]</b>
F16B 33/02	1-Punkt Untergruppe	. Shape of thread; Special thread-forms (used as screw-locking device F16B 39/30) [1, 2006.01]
F16B 33/04	2-Punkt Untergruppe	... in view of tensile load [1, 2006.01]
F16B 33/06	1-Punkt Untergruppe	. Surface treatment of parts furnished with screw-thread, e.g. for preventing seizure [1, 2006.01]
<b>F16B 35/00</b>	<b>Hauptgruppe</b>	<b>Screw-bolts; Stay bolts; Screw-threaded studs; Screws; Set screws (wall-dowels F16B 13/00; thread-cutting screws F16B 25/00) [1, 2006.01]</b>

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F16B 35/02	1-Punkt Untergruppe	. divided longitudinally [1, 2006.01]
F16B 35/04	1-Punkt Untergruppe	. with specially-shaped head or shaft in order to fix the bolt on or in an object (locking the bolt against turning in the object by the use of accessory parts F16B 39/00) [1, 2006.01]
F16B 35/06	2-Punkt Untergruppe	.. Specially-shaped heads (special shape in order to rotate the bolt F16B 23/00) [1, 2006.01]
<b>F16B 37/00</b>	<b>Hauptgruppe</b>	<b>Nuts or like thread-engaging members (wall-dowels F16B 13/00) [1, 2006.01]</b>
F16B 37/02	1-Punkt Untergruppe	. made of thin sheet material (fastening to surfaces F16B 37/04) [1, 2006.01]
F16B 37/04	1-Punkt Untergruppe	. Devices for fastening nuts to surfaces, e.g. sheets, plates [1, 2006.01]
F16B 37/06	2-Punkt Untergruppe	.. by means of welding or riveting [1, 2006.01]
F16B 37/08	1-Punkt Untergruppe	. Quickly-detachable nuts, e.g. consisting of two or more parts; Nuts movable along the bolt after tilting the nut [1, 2006.01]
F16B 37/10	2-Punkt Untergruppe	.. divided parallel or about parallel to the bolt axis [1, 2006.01]
F16B 37/12	1-Punkt Untergruppe	. with thread-engaging surfaces formed by inserted coil-springs, discs, or the like; Independent pieces of wound wire used as nuts; Threaded inserts for holes [1, 2006.01]
F16B 37/14	1-Punkt Untergruppe	. Cap nuts; Nut caps or bolt caps [1, 2006.01]
F16B 37/16	1-Punkt Untergruppe	. Wing nuts (F16B 37/14 takes precedence) [1, 2006.01]
<b>F16B 39/00</b>	<b>Hauptgruppe</b>	<b>Locking of screws, bolts, or nuts (wall-dowels F16B 13/00; locking of bottle closures B65D; locking of rail-fastening bolts for permanent ways E01B 9/12; locking of fastening means for railway fishplates E01B 11/38; locking devices for valves or cocks F16K) [1, 2006.01]</b>
F16B 39/01	1-Punkt Untergruppe	. specially adapted to prevent loosening at extreme temperatures [1, 2006.01]
F16B 39/02	1-Punkt Untergruppe	. in which the locking takes place after screwing down (F16B 39/01 takes precedence; split-pins, circlips, or the like for preventing relative axial movement only F16B 21/10; fastening nuts by welding or riveting F16B 37/06) [1, 2006.01]
F16B 39/04	2-Punkt Untergruppe	.. with a member penetrating the screw-threaded surface of at least one part, e.g. a pin, wedge, cotter-pin, screw [1, 2006.01]
F16B 39/06	3-Punkt Untergruppe	... with a pin or staple parallel to the bolt axis [1, 2006.01]
F16B 39/08	2-Punkt Untergruppe	.. with a cap interacting with the nut, connected to the bolt by a pin or cotter-pin [1, 2006.01]
F16B 39/10	2-Punkt Untergruppe	.. by a plate or ring immovable with regard to the bolt or object (F16B 39/08 takes precedence) [1, 2006.01]
F16B 39/12	2-Punkt Untergruppe	.. by means of locknuts [1, 2006.01]
F16B 39/14	3-Punkt Untergruppe	... made of thin sheet material or formed as spring washers ( <u>locknuts per se</u> made of thin sheet material F16B 37/02) [1, 2006.01]
F16B 39/16	3-Punkt Untergruppe	... in which the screw-thread of the locknut differs from that of the nut [1, 2006.01]
F16B 39/18	4-Punkt Untergruppe	.... in which the locknut grips with screw-thread in the nuts as well as on the bolt [1, 2006.01]
F16B 39/20	2-Punkt Untergruppe	.. by means of steel wire or the like (F16B 39/10 takes precedence) [1, 2006.01]
F16B 39/22	1-Punkt Untergruppe	. in which the locking takes place during screwing down or tightening (F16B 39/01 takes precedence) [1, 2006.01]
F16B 39/24	2-Punkt Untergruppe	.. by means of washers, spring washers, or resilient plates that lock against the object (locking to the screw-thread F16B 39/14, F16B 39/36) [1, 2006.01]
F16B 39/26	3-Punkt Untergruppe	... with spring washers fastened to the nut or bolt-head [1, 2006.01]

Symbol	Typ	Titel
F16B 39/28	2-Punkt Untergruppe	... by special members on, or shape of, the nut or bolt (F16B 39/26 takes precedence; locknuts F16B 39/12) [1, 2006.01]
F16B 39/282	3-Punkt Untergruppe	... Locking by means of special shape of work-engaging surfaces, e.g. notched or toothed nuts [1, 2006.01]
F16B 39/284	3-Punkt Untergruppe	... Locking by means of elastic deformation (F16B 39/38 takes precedence) [1, 2006.01]
F16B 39/286	4-Punkt Untergruppe	.... caused by saw cuts [1, 2006.01]
F16B 39/30	3-Punkt Untergruppe	... Locking exclusively by special shape of the screw-thread [1, 2006.01]
F16B 39/32	3-Punkt Untergruppe	... Locking by means of a pawl or pawl-like tongue [1, 2006.01]
F16B 39/34	3-Punkt Untergruppe	... Locking by deformable inserts or like parts [1, 2006.01]
F16B 39/36	3-Punkt Untergruppe	... with conical locking parts, which may be split, including use of separate rings co-operating therewith [1, 2006.01]
F16B 39/38	3-Punkt Untergruppe	... with a second part of the screw-thread which may be resiliently mounted (F16B 39/30 takes precedence) [1, 2006.01]
<b>F16B 41/00</b>	<b>Hauptgruppe</b>	<b>Measures against loss of bolts, nuts, or pins; Measures against unauthorised operation of bolts, nuts, or pins (seals G09F 3/00) [1, 2006.01]</b>
<b>F16B 43/00</b>	<b>Hauptgruppe</b>	<b>Washers or equivalent devices; Other devices for supporting bolt-heads or nuts (circlips F16B 21/18; with special means for locking bolts or nuts F16B 39/10, F16B 39/24) [1, 2006.01]</b>
F16B 43/02	1-Punkt Untergruppe	. with special provisions for engaging surfaces which are not perpendicular to a bolt axis or do not surround the bolt [1, 2006.01]
<b>F16B 45/00</b>	<b>Hauptgruppe</b>	<b>Hooks; Eyes (if the attaching parts or means are concerned, groups F16B 13/00, F16B 15/00, F16B 19/00, F16B 25/00, F16B 35/00, F16B 47/00 take precedence; for hanging pictures or the like A47G 1/16; towing hooks for ships B63B 21/58; for hoisting or hauling purposes B66C; hooks or eyes with integral parts designed to facilitate quick attachment to cables or ropes at any point F16G 11/14) [1, 2006.01]</b>
F16B 45/02	1-Punkt Untergruppe	. Hooks with pivoting closing member [1, 2006.01]
F16B 45/04	1-Punkt Untergruppe	. Hooks with sliding closing member [1, 2006.01]
F16B 45/06	1-Punkt Untergruppe	. Hooks with two symmetrically-pivoting hook parts [1, 2006.01]
<b>F16B 47/00</b>	<b>Hauptgruppe</b>	<b>Suction cups for attaching purposes; Equivalent means using adhesives [1, 2006.01]</b>