

**CPC****COOPERATIVE PATENT CLASSIFICATION****F16G****BELTS, CABLES, OR ROPES, PREDOMINANTLY USED FOR DRIVING PURPOSES; CHAINS; FITTINGS PREDOMINANTLY USED THEREFOR****NOTE**

Attention is drawn to the following places:

[B63B 21/04](#) Fastening equipment for chains, ropes or the like for ships  
[B63B 21/20](#) Adaptations of chains, ropes or the like for ships  
[B65G 15/30](#) Endless conveyer belts  
[B65G 17/38](#),  
[B65G 19/20](#) Traction chains for conveyers  
[F16H](#) Gearings using flexible members  
[F16H 9/24](#) Chains specially adapted for gearings with variable ratio  
[H05F](#) Preventing or carrying-off electrostatic charges.

**F16G 1/00**

**Driving-belts ( V-belts [F16G 5/00](#); conveyer belt [B65G](#) )**

**F16G 1/02**

- made of leather ( [F16G 1/28](#) takes precedence; making thereof [C14B 9/00](#) )  
 { consisting of several parts [F16G 1/22](#) }

**F16G 1/04**

- made of fibrous material, e.g. textiles, whether rubber-convered or not ( [F16G 1/28](#) takes precedence; making thereof [D03D](#) ) { consisting of several parts [F16G 1/22](#) }

**F16G 1/06**

- made of rubber ( [F16G 1/28](#) takes precedence; making thereof [B29D 29/00](#) ) { consisting of several parts [F16G 1/22](#) }

**F16G 1/08**

- with reinforcement bonded by the rubber

**F16G 1/10**

- with textile reinforcement

**F16G 1/12**

- with metal reinforcement

**F16G 1/14**

- made of plastics ( [F16G 1/28](#) takes precedence; making thereof [B29D 29/00](#) )  
 { consisting of several parts [F16G 1/22](#) }

**F16G 1/16**

- with reinforcement bonded by the plastic material {( making thereof [B32B](#) )}

**F16G 1/18**

- made of wire ( making thereof [B21F 43/00](#) ) { consisting of several parts [F16G 1/22](#) }

**F16G 1/20**

- made of a single metal strip ( making thereof [B21D 53/14](#) )

**F16G 1/21**

- built-un from superimposed layers, e.g. zig-zag folded

**F16G 1/22**

- consisting of several parts

**F16G 1/24**

- in the form of links ( in the shape of chain links [F16G 13/08](#) )

**F16G 1/26**

- in the form of strips or lamellae

**F16G 1/28**

- with a contact surface of special shape, e.g. toothed

**F16G 3/00**      **Belt fastenings, e.g. for conveyer belts ( for V-belts [F16G 7/00](#) )**

- F16G 3/003      . { Apparatus or tools for joining belts ( stapler [B25C 5/00](#) ) }
- F16G 3/006      . { Traction devices to bring together belts, cables or chains }
- F16G 3/02      . with series of eyes or the like, interposed and linked by a pin to form a hinge  
( [F16G 3/09](#) takes precedence )
- F16G 3/04      . . in which the ends of separate U-shaped or like eyes are attached to the belt by  
parts penetrating into it
- F16G 3/06      . with outwardly-bent, mutually-connected belt ends
- F16G 3/07      . Friction clamps, e.g. of grommet-thimble type
- F16G 3/08      . consisting of plates and screw-bolts or rivets ( [F16G 3/06](#) takes precedence )
- F16G 3/09      . . the plates forming a hinge
- F16G 3/10      . Joining belts by sewing, sticking, vulcanishing, or the like; Constructional adaptations  
of the belt ends for this purpose
- F16G 3/12      . Joining belts by lacing
- F16G 3/14      . with extensible parts; with resilient parts
- F16G 3/16      . Devices or machines for connecting driving-belts or the like

**F16G 5/00**      **V-belts, i.e. belts of tapered cross-section**

- F16G 5/02      . made of leather ( [F16G 5/20](#) takes precedence; { consisting of several parts  
[F16G 5/16](#) } )
- F16G 5/04      . made of rubber ( [F16G 5/02](#) takes precedence ) { consisting of several parts  
[F16G 5/16](#) }
- F16G 5/06      . . with reinforcement bonded by the rubber
- F16G 5/08      . . . with textile reinforcement
- F16G 5/10      . . . with metal reinforcement
- F16G 5/12      . made of plastics ( [F16G 5/20](#) takes precedence ) { consisting of several parts  
[F16G 5/16](#) }
- F16G 5/14      . . with reinforcement bonded by the plastic material
- F16G 5/16      . consisting of several parts
- F16G 5/163      . . { with means allowing lubrication ( [F16G 5/18](#) takes precedence ) }

**WARNING**

this group is not complete pending a reorganisation, see also [F16G 5/16](#)

F16G 5/166 . . { with non-metallic rings ( [F16G 5/18](#) takes precedence )}

**WARNING**

this group is not complete pending a reorganisation, see also [F16G 5/16](#)

F16G 5/18 . . in the form of links

F16G 5/20 . with a contact surface of special shape, e.g. toothed

F16G 5/22 . built-up from superimposed layers

F16G 5/24 . . zig-zag folded

**F16G 7/00 V-belt fastenings**

F16G 7/02 . locked, e.g. riveted

F16G 7/04 . Quickly detachable

F16G 7/06 . adjustable, e.g. for tension

**F16G 9/00 Ropes or cables specially adapted for driving, or for being driven by, pulleys or other gearing elements ( [ropes or cables in general D07B](#) )**

F16G 9/02 . made of leather; having enveloping sheatings made of leather

F16G 9/04 . made of rubber or plastics ( [F16G 9/02](#) takes precedence )

**F16G 11/00 Means for fastening cables or ropes to one another or to other objects; Caps or sleeves for fixing on cables or ropes ( [attaching ropes or cables to lift cars or cages B66B 7/08](#), to winch drums or barrels [B66D 1/34](#); ground anchors [E02D 5/00](#); anchoring devices for prestressed members [E04C 5/00](#); rope clamps in earth drilling [E21B 19/12](#) )**

F16G 11/02 . with parts deformable to grip the cable or cables; Fastening means which engage a sleeve or the like fixed on the cable

F16G 11/025 . . { Fastening means which engage a sleeve or the like fixed on the cable, e.g. caps ( [F16G 11/143](#) and [F16G 11/146](#) take precedence )}

**WARNING**

this group is not complete pending a reorganisation, see also [F16G 11/0](#)

F16G 11/03 . incorporating resiliently-mounted members for attachment of the cable end

F16G 11/04 . with wedging action, e.g. friction clamps ( [F16G 11/02](#), { [F16G 11/10](#) } take precedence; { eyes for grommet-thimble type fastenings [F16G 11/146](#) } )

**WARNING**

Subgroups of [F16G 11/04](#) pending a reorganisation, see also [F16G 11/04](#)

- F16G 11/042 .. { using solidifying liquid material forming a wedge }
- F16G 11/044 .. { friction clamps deforming the cable, wire, rope or cord }
- F16G 11/046 ... { by bending the cable around a surface }
- F16G 11/048 ... { by moving a surface into the cable }
- F16G 11/05 .. by using conical plugs insertable between the strands
- F16G 11/06 . with laterally-arranged screws ( [F16G 11/02](#), [F16G 11/04](#) take precedence )
- F16G 11/08 . Fastenings for securing ends of driving-cables to one another, the fastenings having approximately the same diameter as the cables
- F16G 11/09 .. incorporating hinge joints or pivots for the attachment of the cable ends
- F16G 11/10 . Quick-acting fastenings; Clamps holding in one direction only

**WARNING**

Subgroups of [F16G 11/10](#) pending a reorganisation, see also [F16G 11/10](#)

- F16G 11/101 .. { deforming the cable by moving a part of the fastener }
- F16G 11/103 .. { deforming the cable by bending it around or inserting it into the fastener }
- F16G 11/105 .. { Clamps holding in one direction only }
- F16G 11/106 ... { using a toothed surface }
- F16G 11/108 ... { using a ball or a cylinder }
- F16G 11/12 . Connections or attachments, e.g. turnbuckles, adapted for straining of cables, ropes, or wire ( [straining wire in general B21F 9/00](#) )
- F16G 11/14 . Devices or coupling-pieces designed for easy formation of adjustable loops, e.g. choker hooks; Hooks or eyes with integral parts designed to facilitate quick attachment to cables or ropes at any point, e.g. by forming loops ( [crane hooks B66C 1/34](#); [hooks or eyes in general F16B 45/00](#) )
- F16G 11/143 .. { Hooks }

**WARNING**

This group is not complete pending a reorganisation, see also [F16G 11/14](#)

- F16G 11/146 .. { Eyes }

**WARNING**

This group is not complete pending a reorganisation, see also [F16G 11/14](#)

**F16G 13/00 Chains ( [making thereof B21L](#) )**

- F16G 13/02 . Driving-chains ( [specially adapted to gearings with variable gear-ratio F16H 9/00](#) )
- F16G 13/04 .. Toothed chains
- F16G 13/06 .. with links connected by parallel driving-pins with or without rollers { [so called open links \( if the parallel coupling pins have only a joining function - so called closed links - \[F16G 13/02\]\(#\) \)](#) }

- F16G 13/07 . . . the links being of identical shape, e.g. cranked
- F16G 13/08 . . with links closely interposed on the joint pins ( [F16G 13/04](#) takes precedence )
- F16G 13/10 . . with universal joints
- F16G 13/12 . Hauling- or hoisting-chains { so called ornamental chains }
- F16G 13/14 . . built up from readily-separable links
- F16G 13/16 . . with arrangements for holding electric cables, hoses, or the like
- F16G 13/18 . Chains having special overall characteristics
- F16G 13/20 . . stiff; Push-pull chains

### **WARNING**

This group is not complete pending a reorganisation, see also [F16G 13/18](#)

- F16G 13/22 . . extensible { not used, see [F16G 13/18](#) }
- F16G 13/24 . . . resilient { not used, see [F16G 13/18](#) }

## **F16G 15/00 Chain couplings, Shackles; Chain joints; Chain links; Chain bushes ( making chain elements [B21L](#) )**

- F16G 15/02 . for fastening more or less permanently
- F16G 15/04 . Quickly-detachable chain couplings; Shackles { chain links with rapid junction means are classified according to the corresponding kind of chain }
- F16G 15/06 . . Shackles designed for attachment by joint pins to chain elements, e.g. D-shackles { so called harp links; the D-chain links are classified according to the corresponding kind of chain }
- F16G 15/08 . Swivels
- F16G 15/10 . Emergency joints or links
- F16G 15/12 . Chain links
- F16G 15/14 . . made of sheet metal, e.g. profiled

## **F16G 17/00 Hooks as integral parts of chains ( hooks for cranes [B66C 1/34](#); hooks in general [F16B 45/00](#) )**