

Symbol	Typ	Titel
F	Sektion	SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
F16	Klasse	ENGINEERING ELEMENTS OR UNITS; GENERAL MEASURES FOR PRODUCING AND MAINTAINING EFFECTIVE FUNCTIONING OF MACHINES OR INSTALLATIONS ; THERMAL INSULATION IN GENERAL
F16N	Unterklasse	LUBRICATING <u>Lubrication devices or arrangements for oil or grease</u>
F16N 1/00	Hauptgruppe	Constructional modifications of parts of machines or apparatus for the purpose of lubrication
F16N 3/00	Hauptgruppe	Devices for supplying lubricant by manual action (draining equipment for liquid containers B65D)
F16N 3/02	1-Punkt Untergruppe	. delivering oil
F16N 3/04	2-Punkt Untergruppe	. . Oil cans; Oil syringes
F16N 3/06	3-Punkt Untergruppe	. . . delivering on squeezing
F16N 3/08	3-Punkt Untergruppe	. . . incorporating a piston-pump
F16N 3/10	1-Punkt Untergruppe	. delivering grease
F16N 3/12	2-Punkt Untergruppe	. . Grease guns
F16N 5/00	Hauptgruppe	Apparatus with hand-positioned nozzle supplied with lubricant under pressure (F16N 3/00 takes precedence)
F16N 5/02	1-Punkt Untergruppe	. Nozzles or nozzle-valve arrangements therefor, e.g. high-pressure grease guns
F16N 7/00	Hauptgruppe	Arrangements for supplying oil or unspecified lubricant from a stationary reservoir or the equivalent in or on the machine or member to be lubricated (axle-box lubrication for railway rolling-stock B61F 17/00)
F16N 7/02	1-Punkt Untergruppe	. with gravity feed or drip lubrication
F16N 7/04	2-Punkt Untergruppe	. . with oil flow promoted by vibration
F16N 7/06	2-Punkt Untergruppe	. . Arrangements in which the droplets are visible
F16N 7/08	2-Punkt Untergruppe	. . controlled by means of the temperature of the member to be lubricated (thermostats G05D)
F16N 7/10	2-Punkt Untergruppe	. . incorporating manually-operated regulating means, e.g. spindles
F16N 7/12	1-Punkt Untergruppe	. with feed by capillary action, e.g. by wicks
F16N 7/14	1-Punkt Untergruppe	. the lubricant being conveyed from the reservoir by mechanical means (by pumping devices F16N 7/36, F16N 7/38; adaptations for lubrication of machines or engines in general, of internal-combustion engines F01M)
F16N 7/16	2-Punkt Untergruppe	. . the oil being carried up by a lifting device (scoop devices in general F04D)
F16N 7/18	3-Punkt Untergruppe	. . . with one or more feed members fixed on a shaft
F16N 7/20	3-Punkt Untergruppe	. . . with one or more members moving around the shaft to be lubricated
F16N 7/22	4-Punkt Untergruppe	 shaped as rings
F16N 7/24	3-Punkt Untergruppe	. . . with discs, rollers, belts, or the like contacting the shaft to be lubricated
F16N 7/26	2-Punkt Untergruppe	. . Splash lubrication (mist lubrication F16N 7/32)
F16N 7/28	2-Punkt Untergruppe	. . Dip lubrication

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F16N 7/30	1-Punkt Untergruppe	. the oil being fed or carried along by another fluid (in internal-combustion engines F02F)
F16N 7/32	2-Punkt Untergruppe	. . Mist lubrication (splash lubrication F16N 7/26)
F16N 7/34	3-Punkt Untergruppe	. . . Atomising devices for oil (atomising devices in general B05B)
F16N 7/36	1-Punkt Untergruppe	. with feed by pumping action of the member to be lubricated or of a shaft of the machine; Centrifugal lubrication
F16N 7/38	1-Punkt Untergruppe	. with a separate pump; Central lubrication systems
F16N 7/40	2-Punkt Untergruppe	. . in a closed circulation system
F16N 9/00	Hauptgruppe	Arrangements for supplying oil or unspecified lubricant from a moving reservoir or the equivalent (also usable with a stationary reservoir F16N 7/00)
F16N 9/02	1-Punkt Untergruppe	. with reservoir on or in a rotary member
F16N 9/04	1-Punkt Untergruppe	. with reservoir on or in a reciprocating, rocking, or swinging member
F16N 11/00	Hauptgruppe	Arrangements for supplying grease from a stationary reservoir or the equivalent in or on the machine or member to be lubricated; Grease cups
F16N 11/02	1-Punkt Untergruppe	. Hand-actuated grease cups, e.g. Stauffer cups
F16N 11/04	1-Punkt Untergruppe	. Spring-loaded devices
F16N 11/06	1-Punkt Untergruppe	. Weight-loaded devices
F16N 11/08	1-Punkt Untergruppe	. with mechanical drive, other than directly by springs or weights (lubricating-pumps F16N 13/00)
F16N 11/10	1-Punkt Untergruppe	. by pressure of another fluid
F16N 11/12	1-Punkt Untergruppe	. by centrifugal action
F16N 13/00	Hauptgruppe	Lubricating-pumps (oil cans with pump F16N 3/08; pumps for liquids in general F04)
F16N 13/02	1-Punkt Untergruppe	. with reciprocating piston (pumps with distributing equipment F16N 13/22)
F16N 13/04	2-Punkt Untergruppe	. . Adjustable reciprocating pumps
F16N 13/06	2-Punkt Untergruppe	. . Actuation of lubricating-pumps
F16N 13/08	3-Punkt Untergruppe	. . . by hand
F16N 13/10	3-Punkt Untergruppe	. . . with mechanical drive (F16N 13/18 takes precedence)
F16N 13/12	4-Punkt Untergruppe	 with ratchet
F16N 13/14	4-Punkt Untergruppe	 with cam or wobble-plate on shaft parallel to the pump cylinder or cylinders
F16N 13/16	3-Punkt Untergruppe	. . . with fluid drive
F16N 13/18	3-Punkt Untergruppe	. . . relative movement of pump parts being produced by inertia of one of the parts or of a driving member
F16N 13/20	1-Punkt Untergruppe	. Rotary pumps (with distributing equipment F16N 13/22)
F16N 13/22	1-Punkt Untergruppe	. with distributing equipment (separate distributing equipment F16N 25/00)
F16N 15/00	Hauptgruppe	Lubrication with substances other than oil or grease; Lubrication characterised by the use of particular lubricants in particular apparatus or conditions (F16N 17/00 takes precedence; lubricating compositions, selection of particular substances as lubricants in general C10M; bearings with surfaces incorporating lubricant F16C 33/04; lubrication specially adapted to machines or apparatus provided for in a single other class, <u>see</u> the relevant class for the machine or apparatus)

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F16N 15/02	1-Punkt Untergruppe	. with graphite or graphite-containing compositions
F16N 15/04	1-Punkt Untergruppe	. with water (bearings working in water F16C)
F16N 17/00	Hauptgruppe	Lubrication of machines or apparatus working under extreme conditions (additives to lubricating oil or lubricating grease C10M)
F16N 17/02	1-Punkt Untergruppe	. at high temperature (of turbines F01D, F02C; lubrication of machines or engines in general, of internal-combustion engines F01M)
F16N 17/04	1-Punkt Untergruppe	. at low temperature (lubrication of refrigerating machines F25B)
F16N 17/06	1-Punkt Untergruppe	. in vacuum or under reduced pressure (lubrication of evacuating pumps F04; of rotary anodes of X-ray tubes H01J 35/10)
		<u>Details of lubricators or lubrication systems</u>
F16N 19/00	Hauptgruppe	Lubricant containers for use in lubricators or lubrication systems
F16N 21/00	Hauptgruppe	Conduits; Junctions (in general F16L); Fittings for lubrication apertures
F16N 21/02	1-Punkt Untergruppe	. Lubricating nipples
F16N 21/04	1-Punkt Untergruppe	. Nozzles for connection of lubricating equipment to nipples
F16N 21/06	1-Punkt Untergruppe	. Covering members for nipples, conduits, or apertures
F16N 23/00	Hauptgruppe	Special adaptations of check valves (check valves in general F16K)
F16N 25/00	Hauptgruppe	Distributing equipment
F16N 25/02	1-Punkt Untergruppe	. with reciprocating distributing slide valve
F16N 25/04	1-Punkt Untergruppe	. with rotary distributing member (combined with oil pump F16N 13/22)
F16N 27/00	Hauptgruppe	Proportioning devices (liquid meters G01F)
F16N 27/02	1-Punkt Untergruppe	. Gating equipment (multiple-way valves F16K; metering cocks G01F)
F16N 29/00	Hauptgruppe	Special means in lubricating arrangements or systems providing for the indication or detection of undesired conditions; Use of devices responsive to conditions in lubricating arrangements or systems (in bearings F16C; constructions of apparatus outside the lubricating arrangements or systems, <u>see</u> the relevant classes)
F16N 29/02	1-Punkt Untergruppe	. for influencing the supply of lubricant
F16N 29/04	1-Punkt Untergruppe	. enabling a warning to be given; enabling moving parts to be stopped
F16N 31/00	Hauptgruppe	Means for collecting, retaining, or draining-off lubricant in or on machines or apparatus (oil separators for separating oil from exhaust steam F22G)
F16N 31/02	1-Punkt Untergruppe	. Oil catchers; Oil wipers (oil-scraping rings for pistons F16J 9/20)
F16N 33/00	Hauptgruppe	Mechanical arrangements for cleaning lubricating equipment; Special racks or the like for use in draining lubricant from machine parts
		<u>Care of lubricants</u>
F16N 35/00	Hauptgruppe	Storage of lubricants in engine-rooms or the like (storage containers B65)
F16N 37/00	Hauptgruppe	Equipment for transferring lubricant from one container to another
F16N 37/02	1-Punkt Untergruppe	. for filling grease guns
F16N 39/00	Hauptgruppe	Arrangements for conditioning of lubricants in the lubricating system (cleaning of lubricating oil, lubricating compositions C10M)
F16N 39/02	1-Punkt Untergruppe	. by cooling (heat-exchangers in general F28)
F16N 39/04	1-Punkt Untergruppe	. by heating (heat-exchangers in general F28)
F16N 39/06	1-Punkt Untergruppe	. by filtration (filters in general B01D; magnetic separators B03C 1/00)

Symbol	Typ	Titel
F16N 39/08	1-Punkt Untergruppe	. by diluting, e.g. by addition of fuel (lubrication of machines or engines in general, of internal-combustion engines F01M)
F16N 99/00	Hauptgruppe	<i>Subject matter not provided for in other groups of this subclass [2006.01]</i>