Symbol	Typ	Titel
F	**Sektion**	**SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING**
F02	**Klasse**	**COMBUSTION ENGINES (cyclically operating valves therefor, lubricating, exhausting, or silencing engines F01); HOT-GAS OR COMBUSTION-PRODUCT ENGINE PLANTS**
F02F	**Unterklasse**	**CYLINDERS, PISTONS, OR CASINGS FOR COMBUSTION ENGINES; ARRANGEMENTS OF SEALINGS IN COMBUSTION ENGINES (specially adapted for rotary-piston or oscillating-piston internal-combustion engines F02B; specially adapted for gas-turbine plants F02C; specially adapted for jet-propulsion plants F02K) [2]**
F02F 1/00	**Hauptgruppe**	**Cylinders; Cylinder heads (in general F16J)**
F02F 1/02	1-Punkt Untergruppe	. having cooling means (cylinder heads F02F 1/26)
F02F 1/04	2-Punkt Untergruppe	. . for air cooling
F02F 1/06	3-Punkt Untergruppe	. . . Shape or arrangement of cooling fins; Finned cylinders
F02F 1/08	4-Punkt Untergruppe	. . . . running-liner and cooling-part of cylinder being different parts or of different material
F02F 1/10	2-Punkt Untergruppe	. . for liquid cooling
F02F 1/12	3-Punkt Untergruppe	. . . Preventing corrosion of liquid-swept surfaces
F02F 1/14	3-Punkt Untergruppe	. . . Cylinders with means for directing, guiding, or distributing liquid stream
F02F 1/16	3-Punkt Untergruppe	. . . Cylinder liners of wet type
F02F 1/18	1-Punkt Untergruppe	. Other cylinders
F02F 1/20	2-Punkt Untergruppe	. . characterised by constructional features providing for lubrication
F02F 1/22	2-Punkt Untergruppe	. . characterised by having ports in cylinder wall for scavenging or charging
F02F 1/24	1-Punkt Untergruppe	. Cylinder heads
F02F 1/26	2-Punkt Untergruppe	. . having cooling means
F02F 1/28	3-Punkt Untergruppe	. . . for air cooling
F02F 1/30	4-Punkt Untergruppe	. . . . Finned cylinder heads
F02F 1/32	5-Punkt Untergruppe	. . . . . the cylinder heads being of overhead-valve type
F02F 1/34	5-Punkt Untergruppe	. . . . . with means for directing or distributing cooling medium (F02F 1/32 takes precedence)
F02F 1/36	3-Punkt Untergruppe	. . . for liquid cooling
F02F 1/38	4-Punkt Untergruppe	. . . . the cylinder heads being of overhead-valve type
F02F 1/40	4-Punkt Untergruppe	. . . . cylinder heads with means for directing, guiding, or distributing liquid stream (F02F 1/38 takes precedence)
F02F 1/42	2-Punkt Untergruppe	. . Shape or arrangement of intake or exhaust channels in cylinder heads
F02F 3/00	**Hauptgruppe**	**Pistons (in general F16J)**
F02F 3/02	1-Punkt Untergruppe	. having means for accommodating or controlling heat expansion
F02F 3/04	2-Punkt Untergruppe	. . having expansion-controlling inserts

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F02F 3/06	3-Punkt Untergruppe	. . . the inserts having bimetallic effect
F02F 3/08	3-Punkt Untergruppe	. . . the inserts being ring-shaped
F02F 3/10	1-Punkt Untergruppe	. having surface coverings (F02F 3/02 takes precedence)
F02F 3/12	2-Punkt Untergruppe	. . on piston heads
F02F 3/14	3-Punkt Untergruppe	. . . within combustion chambers
F02F 3/16	1-Punkt Untergruppe	. having cooling means
F02F 3/18	2-Punkt Untergruppe	. . the means being a liquid or solid coolant, e.g. sodium, in a closed chamber in piston
F02F 3/20	2-Punkt Untergruppe	. . the means being a fluid flowing through or along piston
F02F 3/22	3-Punkt Untergruppe	. . . the fluid being liquid
F02F 3/24	1-Punkt Untergruppe	. having means for guiding gases in cylinders, e.g. for guiding scavenging charge in two-stroke engines
F02F 3/26	1-Punkt Untergruppe	. having combustion chamber in piston head (the surface thereof being covered F02F 3/14)
F02F 3/28	1-Punkt Untergruppe	. Other pistons with specially-shaped head
F02F 5/00	**Hauptgruppe**	**Piston rings, e.g. associated with piston crown**
F02F 7/00	**Hauptgruppe**	**Casings, e.g. crankcases (engine casings in general F16M)**
F02F 11/00	**Hauptgruppe**	**Arrangements of sealings in combustion engines (piston rings F02F 5/00; sealings per seF16J)**