

Symbol	Typ	Titel
G	Sektion	SECTION G — PHYSICS
G01	Untersektion	INSTRUMENTS
G01	Klasse	MEASURING (counting G06M); TESTING
G01M	Unterklasse	TESTING STATIC OR DYNAMIC BALANCE OF MACHINES OR STRUCTURES; TESTING STRUCTURES OR APPARATUS NOT OTHERWISE PROVIDED FOR
G01M 1/00	Hauptgruppe	Testing static or dynamic balance of machines or structures (balancing rotary bowls of centrifuges B04B 9/14; apparatus characterised by the means for holding wheels or parts thereof B60B 30/00; determining stability factors of ships B63B; stabilising of aircraft B64C 17/00; control systems for balancing automatically in operation G05; balancing rotors of dynamo-electric machines H02K 15/16)
G01M 1/02	1-Punkt Untergruppe	. Details of balancing machines or devices
G01M 1/04	2-Punkt Untergruppe	. . Adaptation of bearing support assemblies for receiving the body to be tested
G01M 1/06	2-Punkt Untergruppe	. . Adaptation of drive assemblies for receiving the body to be tested
G01M 1/08	2-Punkt Untergruppe	. . Instruments for indicating directly the magnitude and phase of the unbalance (measuring electrical variables in general G01R)
G01M 1/10	1-Punkt Untergruppe	. Determining the moment of inertia
G01M 1/12	1-Punkt Untergruppe	. Static balancing; Determining position of centre of gravity (by determining unbalance G01M 1/14)
G01M 1/14	1-Punkt Untergruppe	. Determining unbalance (G01M 1/30, G01M 1/38 take precedence)
G01M 1/16	2-Punkt Untergruppe	. . by oscillating or rotating the body to be tested
G01M 1/18	3-Punkt Untergruppe	. . . and running the body down from a speed greater than normal
G01M 1/20	3-Punkt Untergruppe	. . . and applying external forces compensating forces due to unbalance
G01M 1/22	3-Punkt Untergruppe	. . . and converting vibrations due to unbalance into electric variables (measuring vibrations in general G01H; microphones or like acoustic electromechanical transducers H04R)
G01M 1/24	3-Punkt Untergruppe	. . . Performing balancing on elastic shafts, e.g. for crankshafts
G01M 1/26	3-Punkt Untergruppe	. . . with special adaptations for marking, e.g. by drilling
G01M 1/28	3-Punkt Untergruppe	. . . with special adaptations for determining unbalance of the body <u>in situ</u> , e.g. of vehicle wheels
G01M 1/30	1-Punkt Untergruppe	. Compensating unbalance (G01M 1/38 takes precedence; counterweights F16F 15/28)
G01M 1/32	2-Punkt Untergruppe	. . by adding material to the body to be tested, e.g. by correcting-weights (correcting-weights <u>per se</u> F16F 15/32)
G01M 1/34	2-Punkt Untergruppe	. . by removing material from the body to be tested, e.g. from the tread of tyres
G01M 1/36	2-Punkt Untergruppe	. . by adjusting position of masses built-in the body to be tested
G01M 1/38	1-Punkt Untergruppe	. Combined machines or devices for both determining and correcting unbalance
G01M 3/00	Hauptgruppe	Investigating fluid tightness of structures (investigating permeability of porous material, investigating the presence of flaws in general G01N)
G01M 3/02	1-Punkt Untergruppe	. by using fluid or vacuum
G01M 3/04	2-Punkt Untergruppe	. . by detecting the presence of fluid at the leakage point

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G01M 3/06	3-Punkt Untergruppe	. . . by observing bubbles in a liquid pool
G01M 3/08	4-Punkt Untergruppe for pipes, cables, or tubes; for pipe joints or seals; for valves
G01M 3/10	4-Punkt Untergruppe for containers, e.g. radiators
G01M 3/12	3-Punkt Untergruppe	. . . by observing elastic covers or coatings, e.g. soapy water
G01M 3/14	4-Punkt Untergruppe for pipes, cables, or tubes; for pipe joints or seals; for valves
G01M 3/16	3-Punkt Untergruppe	. . . using electric detection means (G01M 3/06, G01M 3/12, G01M 3/20, G01M 3/24, G01M 3/26 take precedence)
G01M 3/18	4-Punkt Untergruppe for pipes, cables, or tubes; for pipe joints or seals; for valves
G01M 3/20	3-Punkt Untergruppe	. . . using special tracer materials, e.g. dye, fluorescent material, radioactive material
G01M 3/22	4-Punkt Untergruppe for pipes, cables, or tubes; for pipe joints or seals; for valves
G01M 3/24	3-Punkt Untergruppe	. . . using infrasonic, sonic, or ultrasonic vibrations
G01M 3/26	2-Punkt Untergruppe	. . by measuring rate of loss or gain of fluid, e.g. by pressure-responsive devices, by flow detectors [2]
G01M 3/28	3-Punkt Untergruppe	. . . for pipes, cables, or tubes; for pipe joints or seals; for valves [2]
G01M 3/30	4-Punkt Untergruppe using progressive displacement of one fluid by another [2]
G01M 3/32	3-Punkt Untergruppe	. . . for containers, e.g. radiators [2]
G01M 3/34	4-Punkt Untergruppe by testing the possibility of maintaining the vacuum in containers, e.g. in can-testing machines [2]
G01M 3/36	2-Punkt Untergruppe	. . by detecting change in dimensions of the structure being tested
G01M 3/38	1-Punkt Untergruppe	. by using light (G01M 3/02 takes precedence)
G01M 3/40	1-Punkt Untergruppe	. by using electric means, e.g. by observing electric discharges
G01M 5/00	Hauptgruppe	Investigating the elasticity of structures, e.g. deflection of bridges, aircraft wings (G01M 9/00 takes precedence; strain gauges G01B)
G01M 7/00	Hauptgruppe	Vibration-testing of structures; Shock-testing of structures (G01M 9/00 takes precedence)
G01M 7/02	1-Punkt Untergruppe	. Vibration-testing [5]
G01M 7/04	2-Punkt Untergruppe	. . Monodirectional test stands [5]
G01M 7/06	2-Punkt Untergruppe	. . Multidirectional test stands [5]
G01M 7/08	1-Punkt Untergruppe	. Shock-testing [5]
G01M 9/00	Hauptgruppe	Aerodynamic testing; Arrangements in or on wind tunnels (building aspects section E; investigating properties of materials in general G01N)
G01M 9/02	1-Punkt Untergruppe	. Wind tunnels [5]
G01M 9/04	2-Punkt Untergruppe	. . Details [5]
G01M 9/06	1-Punkt Untergruppe	. Measuring arrangements specially adapted for aerodynamic testing [5]
G01M 9/08	1-Punkt Untergruppe	. Aerodynamic models [5]
G01M 10/00	Hauptgruppe	Hydrodynamic testing; Arrangements in or on ship-testing tanks or water tunnels (building aspects section E; investigating properties of materials in general G01N)
G01M 11/00	Hauptgruppe	Testing of optical apparatus; Testing structures by optical methods not otherwise provided for
G01M 11/02	1-Punkt Untergruppe	. Testing of optical properties

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G01M 11/04	2-Punkt Untergruppe	. . Optical benches
G01M 11/06	2-Punkt Untergruppe	. . Testing of alignment of vehicle head-light devices
G01M 11/08	1-Punkt Untergruppe	. Testing of mechanical properties
G01M 13/00	Hauptgruppe	Testing of machine parts (investigating the cutting power of tools G01N, e.g. G01N 3/58)
G01M 13/02	1-Punkt Untergruppe	. Testing of gearing or of transmission mechanisms (measuring efficiency G01L)
G01M 13/04	1-Punkt Untergruppe	. Testing of bearings
G01M 15/00	Hauptgruppe	Testing of engines [4]
<i>G01M 15/02</i>	<i>1-Punkt Untergruppe</i>	<i>. Details or accessories of testing apparatus [2006.01]</i>
<i>G01M 15/04</i>	<i>1-Punkt Untergruppe</i>	<i>. Testing of internal-combustion engines, e.g. diagnostic testing of piston engines [2006.01]</i>
<i>G01M 15/05</i>	<i>2-Punkt Untergruppe</i>	<i>. . by combined monitoring of two or more different engine parameters [2006.01]</i>
<i>G01M 15/06</i>	<i>2-Punkt Untergruppe</i>	<i>. . by monitoring positions of pistons or cranks [2006.01]</i>
<i>G01M 15/08</i>	<i>2-Punkt Untergruppe</i>	<i>. . by monitoring pressure in cylinders [2006.01]</i>
<i>G01M 15/09</i>	<i>2-Punkt Untergruppe</i>	<i>. . by monitoring pressure in fluid ducts, e.g. in lubrication or cooling parts [2006.01]</i>
<i>G01M 15/10</i>	<i>2-Punkt Untergruppe</i>	<i>. . by monitoring exhaust gases [2006.01]</i>
<i>G01M 15/11</i>	<i>2-Punkt Untergruppe</i>	<i>. . by detecting misfire [2006.01]</i>
<i>G01M 15/12</i>	<i>2-Punkt Untergruppe</i>	<i>. . by monitoring vibrations [2006.01]</i>
<i>G01M 15/14</i>	<i>1-Punkt Untergruppe</i>	<i>. Testing of gas-turbine plants or jet-propulsion plants [2006.01]</i>
G01M 17/00	Hauptgruppe	Testing of vehicles (G01M 15/00 takes precedence; testing fluid tightness G01M 3/00; testing elastic properties of bodies or chassis, e.g. torsion-testing, G01M 5/00; testing alignment of vehicle head-lighting devices G01M 11/06)
G01M 17/007	1-Punkt Untergruppe	. of wheeled or endless-tracked vehicles (G01M 17/08 takes precedence) [6]
G01M 17/013	2-Punkt Untergruppe	. . of wheels [6]
G01M 17/02	2-Punkt Untergruppe	. . of tyres [6]
G01M 17/03	2-Punkt Untergruppe	. . of endless-tracks [6]
G01M 17/04	2-Punkt Untergruppe	. . of suspension or of damping [6]
G01M 17/06	2-Punkt Untergruppe	. . of steering behaviour; of rolling behaviour (measuring steering angles G01B; measuring steering forces G01L) [6]
G01M 17/08	1-Punkt Untergruppe	. of railway vehicles [6]
G01M 17/10	2-Punkt Untergruppe	. . of suspensions, axles or wheels [6]
G01M 19/00	Hauptgruppe	Testing of structures or of apparatus, not provided for in the other groups of this subclass
G01M 19/02	1-Punkt Untergruppe	. Testing of sparking plugs (testing characteristics of the spark in internal-combustion engine ignition F02P 17/12; testing electric properties G01R 31/00)