

**รายการมาตรฐาน German Industrial Standard (DIN)
สำหรับผลิตยางรายการสำคัญ**

ผลิตภัณฑ์ยางล้อ

เลขที่มาตรฐาน	ชื่อมาตรฐาน
DIN 7798-1:1988	Tyres for earth moving machinery, dumpers and special vehicles in service on and off the road; diagonal ply tyres with a nominal aspect ratio exceeding 90%
DIN 7798-2:1988	Tyres for earth moving machinery, dumpers and special vehicles in service on and off the road; wide base diagonal ply tyres
DIN 7798-3:1988	Tyres for earth moving machinery, dumpers and special vehicles in service on and off the road; radial tyres with a nominal aspect ratio exceeding 90 %
DIN 7798-4:1988	Tyres for earth moving machinery, dumpers and special vehicles in service on and off the road; wide base radial tyres
DIN 7799-1:1981	Tyres for road making machines, earth moving machines and road graders; regular sizes in diagonal construction
DIN 7800:1981	Tyres for bicycles
DIN 7801:1984	Tyres for small cubic capacity motorcycles
DIN 7803-5:1991	Tyres for passenger cars; radial tyres; designation and marking
DIN 7805-3:1988	Tyres for commercial vehicles and their trailers; radial construction tyres with a nominal aspect ratio exceeding > 95 %
DIN 7805-4:1988	Tyres for commercial vehicles and their trailers; radial construction tyres; tubeless tyres mounted on 15° tapered rims
DIN 7805-5:1983	Tyres for trucks, buses and their trailers; dual spacings and clearance for tyres on 15° tapered rims
DIN 7805-6:2019	Tyres for commercial vehicles and their trailers - Part 6: Relationship between load-carrying capacity and speed
DIN 7807:1995	Agricultural drive wheel tractor tyres in radial construction - Service description (load index - speed symbol) marked tyres
DIN 7808:1987	Agricultural tractor steering wheel tyres
DIN 7810:1984	Scooter tyres
DIN 7811-1:1994	Tyres for industrial and lift trucks; part 1: normal section sizes in diagonal
DIN 7811-2:1994	Tyres for industrial and lift trucks; part 2: wide section sizes in diagonal construction
DIN 7845-1:1987	Rubber solid tyres; dimensions and load capacities
DIN 7845-2:1977	Rubber solid tyres; design guidelines for conical bases
DIN 7852:1994	Rubber solid tyres for pneumatic tyre rims
DIN 78051:1989	Speed performance test of passenger car tyres
DIN EN 474-1:2018	Earth-moving machinery - Safety - Part 1: General requirements
DIN EN 12643:2014	Earth-moving machinery - Rubber-tyred machines - Steering requirements
DIN EN 13059:2009	Safety of industrial trucks - Test methods for measuring vibration
DIN EN 13490:2009	Mechanical vibration - Industrial trucks - Laboratory evaluation and specification of operator seat vibration
DIN EN 15573:2009	Earth-moving machinery - Design requirements for circulation on the road
DIN EN 16203:2014	Safety of Industrial Trucks - Dynamic tests for verification of lateral stability - Counterbalanced Trucks
DIN EN ISO 3691-6:2017	Industrial trucks - Safety requirements and verification - Part 6: Burden and personnel carriers (ISO 3691-6:2013)
DIN ISO 9815:1997	Road vehicles - Passenger car/trailer combinations - Lateral stability test

ผลิตภัณฑ์ถุงมือยาง

เลขที่มาตรฐาน	ชื่อมาตรฐาน
DIN EN ISO 374-1:2018	Protective gloves against dangerous chemicals and micro-organisms - Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016 + Amd. 1:2018)
DIN EN ISO 374-2:2018	Protective gloves against dangerous chemicals and micro-organisms - Part 2: Determination of resistance to penetration (ISO/DIS 374-2:2018)
DIN EN 374-3:2003	Protective gloves against chemicals and micro-organisms - Part 3: Determination of resistance to permeation by chemicals
DIN EN ISO 374-4:2018	Protective gloves against chemicals and micro-organisms - Part 4: Determination of resistance to degradation by chemicals (ISO/DIS 374-4:2018)
DIN EN ISO 374-5:2017	Protective gloves against dangerous chemicals and micro-organisms - Part 5: Terminology and performance requirements for micro-organisms risks (ISO 374-5:2017)
DIN EN ISO 21171:2006	Determination of removable surface powder
DIN EN 421:2010	Protective gloves against ionizing radiation and radioactive contamination
DIN EN 455-1:2019	Medical gloves for single use - Part 1: Requirements and testing for freedom from holes
DIN EN 455-2:2015	Medical gloves for single use - Part 2: Requirements and testing for physical properties
DIN EN 455-3:2015	Medical gloves for single use - Part 3: Requirements and testing for biological properties
DIN EN 455-4:2009	Medical gloves for single use - Part 4: Requirements and testing for shelf life

ผลิตภัณฑ์ถุงยางอนามัย

เลขที่มาตรฐาน	ชื่อมาตรฐาน
DIN EN ISO 4074:2017	Natural rubber latex male condoms - Requirements and test methods
DIN ISO 29941:2014	Condoms - Determination of nitrosamines migrating from natural rubber latex condoms

ผลิตภัณฑ์ท่อยาง

เลขที่มาตรฐาน	ชื่อมาตรฐาน
DIN 4815-2:2010	Rubber and plastics hoses for liquefied petroleum gas - Part 2: Hose assemblies
DIN 4815-5:2011	Rubber and plastic hoses for liquefied petroleum gas - Part 5: Safety couplings and couplings for hose assemblies to withdraw liquefied petroleum gas out of pipeline systems - Safety requirements, testing and marking
DIN 8541-3:1995	Rubber hoses for welding, cutting and allied processes - Part 3: Oxygen rubber hoses with and without coatings for special requirements; safety requirements and testing
DIN EN 853:2016	Rubber hoses and hose assemblies - Wire braid reinforced hydraulic type - Specification
DIN EN 854:2016	Rubber hoses and hose assemblies - Textile reinforced hydraulic type - Specification
DIN EN 856:2016	Rubber hoses and hose assemblies - Rubber-covered spiral wire reinforced hydraulic type - Specification
DIN EN 857:2016	Rubber hoses and hose assemblies - Wire braid reinforced compact type for hydraulic applications - Specification
DIN EN 1360:2013	Rubber and plastic hoses and hose assemblies for measured fuel dispensing systems
DIN EN 1761:1999	Rubber hoses and hose assemblies for fuel truck delivery - Specification
DIN EN 1762:2019	Rubber hoses and hose assemblies for liquefied petroleum gas, LPG (liquid or gaseous phase), and natural gas up to 25 bar (2,5 MPa) - Specification
DIN EN 1765:2016	Rubber hose assemblies for oil suction and discharge services - Specification for the assemblies
DIN EN 12115:2019	Rubber and thermoplastics hoses and hose assemblies for liquid or gaseous chemicals - Specification
DIN EN 13482:2013	Rubber hoses and hose assemblies for asphalt and bitumen - Specification

เลขที่มาตรฐาน	ชื่อมาตรฐาน
DIN EN 13483:2013	Rubber and plastic hoses and hose assemblies with internal vapour recovery for measured fuel dispensing systems - Specification
DIN EN 16436-1:2018	Rubber and plastics hoses, tubing and assemblies for use with propane and butane and their mixtures in the vapour phase - Part 1: Hoses and tubings
DIN EN ISO 1307:2008	Rubber and plastics hoses - Hose sizes, minimum and maximum inside diameters, and tolerances on cut-to-length hoses
DIN EN ISO 1401:2017	Rubber hoses for agricultural spraying
DIN EN ISO 1402:2010	Rubber and plastics hoses and hose assemblies - Hydrostatic testing
DIN EN ISO 1403:2019	Rubber hoses, textile-reinforced, for general-purpose water applications - Specification
DIN EN ISO 1825:2018	Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling - Specification
DIN EN ISO 2398:2017	Rubber hoses, textile-reinforced, for compressed air - Specification
DIN EN ISO 3821:2019	Gas welding equipment - Rubber hoses for welding, cutting and allied processes
DIN EN ISO 3861:2010	Rubber hoses for sand and grit blasting - Specification
DIN EN ISO 4023:2010	Rubber hoses and hose assemblies for steam - Test methods
DIN EN ISO 4080:2010	Rubber and plastics hoses and hose assemblies - Determination of permeability to gas
DIN EN ISO 4641:2017	Rubber hoses and hose assemblies for water suction and discharge - Specification
DIN EN ISO 5771:2009	Rubber hoses and hose assemblies for transferring anhydrous ammonia - Specification
DIN EN ISO 6134:2017	Rubber hoses and hose assemblies for saturated steam - Specification
DIN EN ISO 6802:2018	Rubber or plastics hoses and hose assemblies - Hydraulic impulse test with flexing (ISO 6802:2018)
DIN EN ISO 6803:2017	Rubber or plastics hoses and hose assemblies - Hydraulic-pressure impulse test without flexing
DIN EN ISO 6806:2017	Rubber hoses and hose assemblies for use in oil burners - Specification
DIN EN ISO 6807:2004	Rubber hoses and hose assemblies for rotary drilling and vibration applications - Specification
DIN EN ISO 6808: 2014	Plastics hoses and hose assemblies for suction and low-pressure discharge of petroleum liquids - Specification
DIN EN ISO 7233:2017	Rubber and plastics hoses and hose assemblies - Determination of resistance to
DIN EN ISO 7326:2017	Rubber and plastics hoses - Assessment of ozone resistance under static conditions
DIN EN ISO 7751:2017	Rubber and plastics hoses and hose assemblies - Ratios of proof and burst pressure to maximum working pressure
DIN EN ISO 7662:1996	Rubber and plastics hoses - Determination of abrasion of lining
DIN EN ISO 8030: 2014	Rubber and plastics hoses - Method of test for flammability
DIN EN ISO 8308:2016	Rubber and plastics hoses and tubing - Determination of transmission of liquids through hose and tubing walls
DIN EN ISO 8330:2015	Rubber and plastics hoses and hose assemblies - Vocabulary
DIN EN ISO 8331:2017	Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance
DIN EN ISO 8332:1999	Rubber and plastics hose assemblies - Flexing combined with hydraulic impulse test (half-omega test)
DIN EN ISO 10619-1:2018	Rubber and plastics hoses and tubing - Measurement of flexibility and stiffness - Part 1: Bending tests at ambient temperature
DIN EN ISO 10619-2:2018	Rubber and plastics hoses and tubing - Measurement of flexibility and stiffness - Part 2: Bending tests at sub-ambient temperatures
DIN EN ISO 10619-3:2012	Rubber and plastics hoses and tubing - Measurement of flexibility and stiffness - Part 3: Bending tests at high and low temperatures
DIN EN ISO 10960:2018	Rubber and plastics hoses - Assessment of ozone resistance under dynamic conditions (ISO 10960:2017)
DIN EN ISO 14113:2014	Gas welding equipment - Rubber and plastics hose and hose assemblies for use with industrial gases up to 450 bar

เลขที่มาตรฐาน	ชื่อมาตรฐาน
DIN EN ISO 28017:2018	Rubber hoses and hose assemblies, wire or textile reinforced, for dredging applications - Specification
DIN EN ISO 30013: 2012	Rubber and plastics hoses - Methods of exposure to laboratory light sources - Determination of changes in colour, appearance and other physical properties

ผลิตภัณฑ์สายพาน

เลขที่มาตรฐาน	ชื่อมาตรฐาน
DIN 15210:1984	Continous mechanical handling equipment; belt conveyors, discs for return idlers
DIN 21636:2016	Air regulation systems for mining - Belt-conveyors-way air locks - Dimensions, identifications, requirements and testing
DIN 22101:2011	Continuous conveyors - Belt conveyors for loose bulk materials - Basis for calculation and dimensioning
DIN 22102-1:2014	Conveyor belts with textile plies for bulk goods - Part 1: Dimensions, specifications, marking
DIN 22102-2:2014	Conveyor belts with textile plies for bulk goods - Part 2: Testing
DIN 22102-3:2014	Conveyor belts with textile plies for bulk goods - Part 3: Permanent joints
DIN 22109-1:2015	Conveyor belts with textile plies for coalmining - Part 1: Monopoly belts for underground applications - Dimensions, requirements
DIN 22109-2:2015	Conveyor belts with textile plies for coalmining - Part 2: Rubber-belts with two plies for underground applications - Dimensions, requirements
DIN 22109-4:2015	Conveyor belts with textile plies for coalmining - Part 4: Rubber-belts with two plies for above ground applications - Dimensions, requirements
DIN 22109-5:1998	Conveyor belts with textile plies for coalmining; branding
DIN 22109-6:2016	Conveyor belts with textile plies for coalmining - Part 6: Testing
DIN 22110-2:1997	Testing methods for conveyor belt joints - Part 2: Endurance running tests, determination of running time of belt joints at conveyor belts with textile plies
DIN 22110-3:2015	Testing methods for conveyor belt joints - Part 3: Determination of time strength for conveyor belt joints (dynamical testing method)
DIN 22111:2007	Belt conveyors for underground coal mining - Light construction
DIN 22112-1:2010	Belt conveyors for underground coal mining - Idlers - Part 1: Dimensions
DIN 22112-2:2010	Belt conveyors for underground coal mining - Idlers - Part 2: Requirements
DIN 22112-3:1996	Belt conveyors for underground coalmining - Idlers - Part 3: Testing
DIN 22114:2010	Belt conveyors for underground coalmining - Heavy construction
DIN 22115:2003	Belt conveyors for underground coalmining - Coating on idlers - Requirements and testing
DIN 22116:2003	Belt conveyors for underground coal mining - Pressure rollers DN 159 - Dimensions, requirements, marking
DIN 22117:2019	Conveyor belts for underground mining - Determination of the oxygen index
DIN 22121:2015	Conveyor belts with textile plies for coalmining - Permanent joints for belts with one or two plies - Dimensions, requirements, marking
DIN 22129-1:1988	Steel cord conveyor belts for underground coalmining; dimensions, requirements
DIN 22129-2:1988	Steelcord conveyor belts for underground coalmining; marking
DIN 22129-4:2015	Steelcord conveyor belts for use in underground coal mining - Belt joints - Part 4: Dimensions, requirements
DIN 22131-3:2016	Steelcord conveyor belts for hoisting and conveying - Part 3: Testing
DIN EN 12882:2015	Conveyor belts for general purpose use - Electrical and flammability safety
DIN EN 16974:2016	Conveyor belts - Indentation rolling resistance of conveyor belts related to belt width - Requirements, testing
DIN EN ISO 505:2018	Conveyor belts - Method for the determination of the tear propagation resistance of textile conveyor belts
DIN EN ISO 14890:2013	Conveyor belts - Specification for rubber- or plastics-covered conveyor belts of textile construction for general use

เลขที่มาตรฐาน	ชื่อมาตรฐาน
DIN EN ISO 15147:2013	Light conveyor belts - Tolerances on widths and lengths of cut light conveyor belts
DIN EN ISO 15236-1:2017	Steel cord conveyor belts - Part 1: Design, dimensions and mechanical requirements for conveyor belts for general use
DIN EN ISO 15236-2:2017	Steel cord conveyor belts - Part 2: Preferred belt types
DIN EN ISO 22721:2010	Conveyor belts - Specification for rubber- or plastics-covered conveyor belts of textile construction for underground mining

ที่มา: 1. คู่มือมาตรฐานระบบการจัดการและกฎระเบียบทางการค้าเชิงเทคนิคของประเทศคู่ค้าที่สำคัญสำหรับ อุตสาหกรรม ยางพาราและผลิตภัณฑ์ยาง

2. <http://www.din.de>

3. <http://www.masci.or.th>