

第二部分 紧固件引用标准完善方案（草案）

序号	标准分类与标准名称	标准编号	说明					备注
			新增	更新	保留	取消	修订	
	螺纹与紧固件结构要素							
1	1 普通螺纹 基本尺寸General purpose metric screw threads--Basic dimensions	GB/T 196-2003（常用规格，6级，g、f、h、G、H）	√					
2	2 普通螺纹 公差General purpose metric screw threads--Tolerances	GB/T 197-2003（常用规格，6级，g、f、h、G、H）	√					
3	3 自攻螺钉用螺纹Tapping screws thread	GB/T 5280-2002		1985				
4	4 过渡配合螺纹The threads for transition fit	GB/T1167-1996	√					
5	5 60°密封管螺纹Pipe threads with the thread angle of 60 degrees where pressure-tight joints are made on the threads	GB/T 12716-2002		1991				
6	6 塑料(尼龙)用自攻螺钉螺纹	QC/T 713—2004	√					
7	7 NPTF螺纹	SAE J476a-1961	√					
8	8 自攻锁紧螺钉的螺杆 粗牙普通螺纹系列Screw thread shanks for thread forming screw--Metric coarse thread series	GB/T6559-1986	√					
9	9 紧固件 外螺纹零件的末端Fasteners--Ends of parts with external thread	GB/T 2-2001		1985				
10	10 紧固件 开口销孔和金属丝孔Fasteners--Split pin holes and wireholes	GB/T 5278-1985			√			
11	11 沉头螺钉 头部形状和测量Countersunk head screws--Head configuration and gauging	GB/T5279-1985			√			
12	12 沉头螺钉 第2部分：十字槽插入深度Countersunk flat head screws--Part 2:Penetration depth of cross recesses	GB/T5279.2-1997			√			
13	13 普通螺栓和螺钉 头下圆角半径General purpose bolts and screws--Radii under the head	GB/T 3105-2002	√					
14	14 螺栓和螺钉用内六角花形Hexalobular internal driving feature for bolts and screws	ISO 10664:2005		√				现行：GB/T6188-2000，计划2007版GB/T
15	15 螺钉用十字槽Cross recesses for screws	GB/T944.1-1985			√			
16	16 紧固件 螺栓和螺钉通孔Fasteners--Clearance holes for bolts and screws	GB/T5277-1985	√					
17	17 紧固件 铆钉用通孔Fasteners--Clearance holes for rivets	GB/T152.1-1988			√			
18	18 紧固件 沉头用沉孔Fasteners--Countersinks for countersunk head screws	GB/T152.2-1988			√			
19	19 紧固件 圆柱头用沉孔Fasteners--Counterbores for hexagon socket head screws and slotted cheese head screws	GB/T152.3-1988			√			
20	20 紧固件 六角头螺栓和六角头螺母用沉孔Fasteners--Counterbores for hexagonbolts and nuts	GB/T152.4-1988			√			
21	21 平键 键槽的剖面尺寸Square and rectangular keyways	GB/T 1095-2003		1979				
22	22 半圆键 键槽的剖面尺寸Woodruff keyways	GB/T 1098-2003		1979				
	标准紧固件公差							
23	1 紧固件公差 螺栓、螺钉、螺柱和螺母Tolerances for fasteners--Bolts, screws, studs and nuts	GB/T 3103.1-2002		1982				
24	2 紧固件公差 平垫圈Tolerances for fasteners--Plain washers	GB/T 3103.3-2000			√			
	标准紧固件技术条件							
25	1 弹性垫圈技术条件 弹簧垫圈Specifications for spring washers--Single coil spring lock washers	GB/T94.1-1987			√			
26	2 弹性垫圈技术条件 齿形、锯齿形锁紧垫圈Specifications for spring washers--Toothed lock and serrated lock washers	GB/T94.2-1987			√			
27	3 弹性垫圈技术条件 鞍形、波形弹性垫圈Specifications for spring washers--Curved and wave spring washers	GB/T94.3-1987			√			
28	4 止动垫圈技术条件Specification for tab washer	GB/T98-1988			√			
29	5 铆钉技术条件Specifications for rivet	GB/T 116-1986			√			
30	6 销技术条件Specifications for pins	GB/T121-1986			√			
31	7 木螺钉技术条件Specifications for wood screws	GB/T922-1986			√			
32	8 自锁螺母技术条件Procurement specification for self-locking nuts?	GB/T 943-1988	√					
33	9 挡圈技术条件 弹性挡圈Specifications for ring--Circlips	GB/T959.1-1986			√			
34	10 挡圈技术条件 钢丝挡圈Specifications for ring--Round wire snap rings	GB/T959.2-1986			√			
35	11 键 技术条件Technical specifications for keys	GB/T1568-1997		1979				
36	12 小型圆柱螺旋弹簧技术条件Small cylindrically coiled springs—Specification?	GB/T 1973.1-2005	√					

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			新增	更新	保留	取消	修订	
37	13 扩口式管接头技术条件Specification for flared type tube fittings	GB/T5653-2007		√	1985			
38	14 紧固件 螺栓、螺钉、螺柱和螺母通用技术条件Fasteners--General requirements for bolts, screws, studs and nuts	ISO 8992-2005		√				现行: GB/T16938-1997
39	15 铆螺母技术条件Specifications for riveted nuts	GB/T17880.6-1999			√			
40	16 卡套式管接头技术条件Specification for bite type tube fittings	GB/T3765-2007	√					
41	17 嵌装塑料螺母技术条件	QC/T618-1999			√			
42	18 汽车钢板弹簧用U型螺栓及螺母技术条件	QC/T517-1999	√					
43	19 木材握钉力试验方法Method of testing nail holding power of wood	GB/T 14018-1992	√					
44	20 螺栓、螺钉和螺母用平垫圈 总方案Plain washers for bolts, screws and nuts--General plan	GB/T 5286-2001	√					
45	21 抽芯铆钉技术条件	GB/T12619-1990					√	
46	22 油杯技术条件	JB/T7940.7-1995 (GB/T1159-1989)					√	
	标准紧固件机械性能							
47	1 紧固件机械性能 螺栓、螺钉和螺柱Mechanical properties of fasteners--Bolts, screws and studs	GB/T3098.1-2000			√			
48	2 紧固件机械性能 螺母 粗牙螺纹Mechanical properties of fasteners--Nuts--Coarse thread	GB/T3098.2-2000			√			
49	3 紧固件机械性能 紧定螺钉Mechanical properties of fasteners--Set screws	GB/T3098.3-2000			√			
50	4 紧固件机械性能 螺母 细牙螺纹Mechanical properties of fasteners--Nuts--Fine pitch thread	GB/T3098.4-2000			√			
51	5 紧固件机械性能 自攻螺钉Mechanical properties of fasteners--Tapping screws	GB/T3098.5-2000			√			
52	6 紧固件机械性能 不锈钢螺栓、螺钉和螺柱Mechanical properties of fasteners--Bolts, screws and studs made of stainless-steel	GB/T3098.6-2000			√			
53	7 紧固件机械性能 自挤螺钉Mechanical properties of fasteners--Thread rolling screws	GB/T3098.7-2000		1986				
54	8 紧固件机械性能 有效力矩型 钢六角锁紧螺母Mechanical properties of fasteners--Prevailing torque type steel hexagon nuts	GB/T 3098.9-2002		1993				
55	9 紧固件机械性能 自钻自攻螺钉Mechanical properties of fasteners--Drilling screws with tapping screw thread	GB/T 3098.11-2002	√					
56	10 紧固件机械性能 螺母锥形保证载荷试验Mechanical properties of fasteners--Cone proof load test on nuts	GB/T 3098.12-1996	√					
57	11 紧固件机械性能 螺柱与螺钉的扭矩试验和破坏扭矩公称直径1~10mmMechanical properties of fasteners--Torsional test and minimum torques for bolts and screws with nominal diameters from 1mm to 10mm	GB/T 3098.13-1996			√			
58	12 紧固件机械性能 螺母扩孔试验Mechanical properties of fasteners--Widening test on nuts	GB/T 3098.14-2000	√					
59	13 紧固件机械性能 不锈钢螺母Mechanical properties of fasteners--Nuts made of stainless-steel	GB/T 3098.15-2000			√			
60	14 紧固件机械性能 不锈钢紧定螺钉Mechanical properties of fasteners--Setscrews made of stainless-steel	GB/T 3098.16-2000	√					
61	15 紧固件—检查氢脆用预载荷试验—平行支承面法Fasteners — Preloading test for the detection of hydrogen embrittlement — Parallel bearing surface method	GB/T 3098.17-2000	√					
62	16 紧固件机械性能 盲铆钉试验方法Mechanical properties of fasteners--Blind rivets testing	GB/T 3098.18-2004	√					
63	17 紧固件机械性能 抽芯铆钉Mechanical properties of fasteners--Blind rivets with break pull mandrel	GB/T3098.19-2004	√					
64	18 紧固件机械性能 蝶形螺母 保证扭矩Mechanical properties of fasteners--Wing nuts with specified proof torque	GB/T3098.20-2004	√					
65	19 金属材料 线材和铆钉剪切试验方法Metallic materials - Shear test method for wires and rivets	GB/T 6400-2007	√					
66	20 铝及铝合金铆钉线与铆钉剪切试验方法及铆钉线铆接试验方法Aluminium and aluminium alloys shear test method for rivet wire and rivets and riveting test method for rivet wire	GB/T 3250-2007	√					
	标准紧固件表面与表面缺陷							
67	1 紧固件表面缺陷 螺栓、螺钉和螺柱 一般要求Fasteners--Surface discontinuities--Bolts, screws and studs for general requirements	GB/T5779.1-2000			√			
68	2 紧固件表面缺陷 螺母Fasteners--Surface discontinuities--Nuts	GB/T5779.2-2000			√			
69	3 紧固件表面缺陷 螺栓、螺钉和螺柱 特殊要求Fasteners--Surface discontinuities--Bolts, screws and studs for special requirements	GB/T5779.3-2000	√					
	标准紧固件表面覆盖层							

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70	1 紧固件 电镀层Fasteners--Electroplated coatings	GB/T 5267.1-2002		1985				
71	2 紧固件 非电解锌片涂层Fasteners--Non-electrolytically applied zinc flake coatings	GB/T 5267.2-2002		1985				
72	3 锌铬涂层 技术条件Specifications of zinc/chromate coating	GB/T 18684-2002	√					
73	4 汽车用涂镀层及化学处理层	QC/T625-1999					√	
74	5 汽车用锌铝铬涂层	QC/T721-2004	√					
75	6 耐蚀不锈钢紧固件钝化处理Passivation of corrosion-resistant stainless-steel fasteners	ISO16048-2003	√					
	标准紧固件紧固与防松							
76	1 螺纹紧固件应力截面积和承载面积Stress area and bearing area for threaded fasteners	GB/T16823.1-1997			√			
77	2 螺纹紧固件通则General rules of tightening for threaded fasteners	GB/T16823.2-1997			√			
78	3 螺纹紧固件拧紧试验方法Method of tightening test for threaded fasteners	GB/T16823.3-1997			√			
79	4 汽车用螺纹紧固件紧固扭矩	QC/T518-2007	√					
80	5 螺纹紧固件预涂微胶囊厌氧干膜胶	QC/T597-1999			√			
81	6 厌氧胶粘剂扭矩强度的测定(螺纹紧固件)The determination of torque strength of anaerobic adhesives (Threaded fasteners)	GB/T 18747.1-2002	√					
82	7 汽车用螺纹连接副磨擦系数的测试方法	QC/T715-2004	√					
83	8 螺纹紧固件轴向载荷疲劳试验方法Axial load fatigue testing for threaded fasteners	GB/T13682-1992	√					
84	9 销 剪切试验方法Pins and grooved pins--Shear test	GB/T13683-1992	√					
85	10 紧固件—扭矩/夹紧力试验Fasteners—Torque/clamp force	ISO16047-2005	√					
	标准紧固件编号规则							
86	1 汽车标准件产品编号规则	QC/T326-1999					√	
	标准紧固件产品、标志与包装							
87	1 紧固件 验收检查Fasteners--Acceptance inspectiox	GB/T 90.1-2002		1985				
88	2 紧固件 标志与包装Fasteners--Marking and packaging	GB/T 90.2-2002		1985				
			34	15	36	2	1	

注1:木螺钉螺纹的基本尺寸及螺纹末端型式按GB/T992的规定.