

**MARYLAND METRICS**  
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**TECHNICAL INFORMATION and DATA**

**Locking elements**  
**Limitations of:**

Elements against loss of clamping load		Used with fasteners of property class			
		4.8	5.8	6.8	8.8
Helical spring lock washers	DIN 127 A a) DIN 127 B a)	2	2-3	-	-
High collar spring lock washers	DIN 7980 b)	2	2-3	2-3	-
Double coil spring lock washers (Thackeray washers)		2	2	2-3	-
Curved spring washers	DIN 137 A c)	3	-	-	-
Waved spring washers	DIN 137 B	2	-	-	-
Conical spring washers	SN 212745	2	2	2-3	-
Curved spring lock washers	DIN 128 A	2	2	2-3	-
Waved spring lock washers	DIN 128 B d)	2-3	3	-	-
Conical spring washers	DIN 6796	2	2	2	3
Disc springs	DIN 2093	3	3	2-3	2-3

Elements against rotating		Used with fasteners of property class			
		< 6.8	8.8	10.9	12.9
Prevailing torque nuts with polyamid insert	DIN 982 DIN 985 DIN 986	2-3	3-4	-	-
Prevailing torque nuts all metallic	DIN 980 V/M	2-3	3-4	-	-
Castle nuts	e.g. DIN 935 p. ex. DIN 935	2-3	-	-	-
Tab washers	DIN 93	2-3	-	-	-
Wire as locking means		3	-	-	-
Microencapsulated screws «Precote®»		1	1	1	1
Anaerobic adhesives «OmniFIT®»		1	1	1	1
Polyamid patch coated screws and nuts «Kaflok®»		2	3	-	-

Elements against loss of clamping load and against rotating		Used with fasteners of property class			
		< 6.8	8.8	10.9	12.9
Serrated lock washers	DIN 6798 A/J/DD	2-3	-	-	-
Ribbed lock washers e.g. «Schnorr®»		2	3	-	-
Toothed lock washers	DIN 6797 A/J	2-3	-	-	-
Hex nuts with toothed lock washers		2-3	-	-	-
Serrated flange screws		-	-	1-2	1-2
Serrated flange nuts		-	-	1-2	1-2

Elements against loosening		Used with fasteners of property class			
		< 6.8	8.8	10.9	12.9
Prevailing torque nuts with polyamid insert	DIN 982 DIN 985 DIN 986	1-2	2	-	-
Prevailing torque nuts all metallic	DIN 980 V/M	1-2	2	-	-
Polyamid patch coated screws and nuts «Kaflok®»		1	1-2	1-2	1-2
Anaerobic adhesives «omniFIT®»		1	1	1	1

1 = excellent    2 = good    3 = acceptable    4 = critical

- = ineffective

Note: polyamid = nylon®

- a) The use of DIN 128 A is recommended. The standard DIN 127 is withdrawn. Stainless spring lock washers according to DIN 127 B may be used based upon the customer's own experience.
- b) The standard DIN 7980 is withdrawn.
- c) The use of DIN 137 B is recommended. The standard for DIN 137 type A is withdrawn.
- d) The use of DIN 128 A is recommended. The standard for DIN 128 type B is withdrawn.