

DIMENSIONAL DATA

Shakeproof Lockwashers

Steel and Phosphor Bronze

Bolt size			External Teeth			Internal Teeth			Internal Teeth Heavy Duty			External and Internal Teeth Countersunk			Internal and External Teeth		
BA	UN	Fractional Metric	Part No		Thick- ness nom Ins	Part No		Thick- ness nom Ins	Part No		Thick- ness nom Ins	Part No		Thick- ness nom Ins	Part No		Thick- ness nom Ins
			Type 11	Type 18		Type 12	Type 19		Type 14	Type 15		Type 16	Type 17		Type 18	Type 19	
10																	
8	2	M2	11M2		0.177 0.012	1201	1902	0.185 0.010									
8	2	M2				1202		0.185 0.010									
7	3	M2.6	1103		0.218 0.012	1202-1		0.205 0.012									
6	4		1104		0.255 0.016	1203		0.225 0.016									
6	4			1804	0.255 0.014	1204	1904	0.255 0.016						0.240 0.016	1504		
5	5	M3	11M3		0.236 0.016	12M3		0.236 0.016									
5	5		1105		0.280 0.016	1205		0.245 0.016									
4	6		1106	1805	0.280 0.018	1206	1905	0.245 0.014								4005-12	0.474 0.024
4	6			1806	0.317 0.018		1906	0.305 0.018						0.307 0.018	1506	4006-12	0.474 0.024
4	6					1206-00		0.305 0.014									
4	6	M3.5	1106-1		0.280 0.018		1906-1	0.285 0.018									
3	8	M4	1108	1808	0.381 0.021	1208	1908	0.255 0.014									
3	8	M4		1808-1	0.346 0.021			0.346 0.018									
2	10	M4	11M4		0.315 0.020	12M4		0.315 0.020									
2	10		1110	1810	0.406 0.022	1210	1910	0.406 0.021						0.380 0.021	1510	4010-18	0.601 0.030
2	10		1110-1		0.381 0.022	1210-00		0.383 0.021						0.376 0.021	1510-00		
2	10					1210-1	1910-2	0.478 0.024									
1	12	M5	11M5		0.354 0.020	12M5		0.346 0.018									
1	12	M5	1110-3		0.406 0.022			0.354 0.020									
0	12		1112	1812	0.474 0.024	1212	1912	0.406 0.021						0.450 0.021	1512		
0	12	M6	1112-1		0.474 0.024	1212-1		0.607 0.030						0.415 0.022	1512-1†		
0	12	M6	11M6		0.433 0.028	12M6	1914	0.406 0.021						0.430 0.021	1512-00		
0	12		1114	1814	0.506 0.028	1214	1914	0.433 0.027									
						1214-5		0.478 0.024	1414		0.536 0.040			0.480 0.021	1514	4014-20	0.695 0.035
		M7	1118	1818	0.601 0.030	1218	1918	0.406 0.021						0.517 0.021	1514-00		
		M8	11M8		0.551 0.031	12M8		0.478 0.024	1418		0.607 0.045			0.760 0.030	1516-4†	4018-24	0.898 0.040
								0.607 0.030						0.647 0.025	1518		
								0.551 0.031						0.647 0.025	1518-00		