



Salt Fog Test

ASTM B117 STANDARD PRACTICE FOR OPERATING SALT SPRAY (FOG) APPARATUS

The ASTM B117 Salt Fog Test has been an industry standard in corrosion testing for many years. It is considered to be one of the only reliable ways to predict how fasteners will stand up to corrosion, and since its invention, it has provided companies with vital information to expand their knowledge of bolt corrosion and failure.

The chart below describes how our fasteners stand up to the ASTM B117 Salt Fog Test compared to the published findings of other leading coatings. We have provided the results both from our best-performing bolt and from the average performance of our sample size. This data helps us see how we stack up to the industry standard and how we can continue to improve our fasteners' longevity.

COATING	HOURS WITH LESS THAN 15% OF RED RUST	HOURS WITH LESS THAN 15% OF RED RUST	HOURS WITH LESS THAN 15% OF RED RUST
	BEST RESULTS	AVERAGE (200 TESTS)	AFTER MECHANICAL WORK
Cadmium Plating	1,500	800	400
Hot Dip Zinc	1,500	1,000	250
Zinc Plating	1,000	400	150
Zinc Plating + PTFE	3,000	1,000	150
Ceramic + PTFE	5,000	15,000	350
Zn-Ni Plating	15,000	700	200
doxsteelfasteners	25,000	15,000	2,000

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