



# JS600 PLATING SYSTEM

THE ULTIMATE HIGH LUBRICITY ANTI-CORROSION PROTECTION SYSTEM FOR STAINLESS STEEL



## The next generation; highly corrosion resistant finish offering an environmentally safer, cost effective replacement for Cadmium

Most stainless steel fasteners are plated with JS600 corrosion resistant finish, providing corrosion protection without adversely affecting dimensions. JS600 has the added advantage of a "Built-In" dry lubricant throughout the coating.

### The JS600 Finish

- An alternative to various cadmium finishes where lubricity and corrosion resistance is essential.
- The most cost effective finish for extended neutral salt spray requirements to red rust.
- A sealant-coating with a "built-in" dry lubricant throughout the coating.
- A dimensionally favorable sealant that does not fill functional threads, grooves, drive recesses, and slots.
- Controllable process for torque/tension applications with torque value to spec.

### The JS600 Process

- JS600 is an improved leachant/sealant coating for electroplated zinc. In addition to providing assurance against premature FWC\* & FRR\* in 5% neutral salt spray, JS600 has a built-in lubricant.
- The primary object of this lubrication is to decrease the coefficient of friction on coated parts, particularly threaded fasteners, thus controlling the tension obtainable with a given torque on assembly. JS600 coated zinc finishes are able to replace environmentally hazardous cadmium finishes in many applications.
- JS600 is easily applied by simple immersion following zinc plate and chromate.

The part is not rinsed, just air dried.

• \*FRR (First Red Rust)

• \*FWC (First White Corrosion)

TORQUE VALUES			
	CAD PLATE CHROMATE TORQUE LBS.	ZINC PLATE JS600 TENSION LBS.	ZINC PLATE JS500 TENSION LBS.
50	700	1000	600
100	1500	1900	1200
150	2800	3000	1800
200	3800	4100	2400
250	4900	5500	2900
300	5750	6400	3300
350	6500	7700	3900

### OTHER COATINGS AVAILABLE FROM LELAND

Phosphate & Oil, Hot Dip Galvanizing, Black Zinc, Zinc & Yellow Dichromate

All test results and suggestions are based on laboratory tests. Specific job site conditions should be taken into consideration when specifying the proper fastener. Because applications vary, we assume no liability for use of this information.