

INTERNATIONAL FASTENERS INC.



FASTENER SELECTION TO MINIMIZE GALVANIC ACTION (CORROSION) BETWEEN FASTENER AND BASE METAL

BASE METAL	FASTENER METAL					
	ZINC & GALVANIZED STEEL	ALUMINUM & ALUMINUM ALLOYS	STEEL & CAST IRON	BRASS, COPPER, BRONZE, MONEL	MARTENSITIC STAINLESS STEEL (TYPE 410)	AUSTENITIC STAINLESS STEEL (302/304, 303, 305)
ZINC & GALVANIZED STEEL	1	2	2	3	3	3
ALUMINUM & ALUMINUM ALLOYS	1	1	2	3	NOT RECOMMENDED	2
STEEL & CAST IRON	1, 4	1	1	3	3	2
TERNE (LEAD-TIN) PLATED SHEET	1, 4, 5	1, 5	1, 5	3	3	2
BRASS, COPPER, BRONZE, MONEL	1, 4, 5	1, 5	1, 5	1	1	2
FERRITIC STAINLESS STEEL (TYPE 430)	1, 4, 5	1, 5	1, 5	1	1	1
AUSTENITIC STAINLESS STEEL (TYPE 302/304)	1, 4, 5	1, 5	1, 5	1, 5	1	1

KEY CODE:

1. The corrosion of the base metal is not increased by the fastener.
2. The corrosion of the base metal is marginally increased by the fastener.
3. The corrosion of the base metal may be markedly increased by the fastener material
4. The plating on the fastener is rapidly consumed, leaving the bare fastener metal.
5. The corrosion of the fastener is increased by the base metal.

NOTE: Surface treatment and environment can change activity.