



American Ring

November 9, 2016

American Ring is proud to offer RoHS and REACH compliant trivalent finishes as an alternative to traditional hexavalent chromate to meet today's environmental needs.

The finish is applied through a mechanical deposited process which does not allow for any hydrogen embrittlement.

Suffix	Description	Specifications	Salt Spray Hours	
			White	Red
ZT	Zinc Trivalent Clear	Mechanical zinc trivalent (5 μ) 0.0002" thickness	N/A	36
ZYT	Zinc Trivalent Yellow dip	Mechanical zinc trivalent (5 μ) 0.0002" thickness	72	72
ZD	Zinc Dichromate Yellow	Mechanical zinc dichromate hexavalent (5 μ) 0.0002" thickness	72	72

We are also able to provide additional salt spray protection by applying an increased plating thickness upon special request.

Type	Class	Thickness (minimum)	Salt Spray hours	
			White	Red
Type I (Clear)	Class 5	(5 μ) 0.0002"	N/A	36
Type I (Clear)	Class 8	(8 μ) 0.0003"	N/A	56
Type I (Clear)	Class 12	(12 μ) 0.0004"	N/A	96
Type II (Yellow)	Class 5	(5 μ) 0.0002"	72	72
Type II (Yellow)	Class 8	(8 μ) 0.0003"	72	72
Type II (Yellow)	Class 12	(12 μ) 0.0004"	72	96

Please note that 0.002" (0.050 mm) must be added to the listed maximum material thickness for plated parts. It is recommended that the groove width is confirmed to allow for the overall plated part thickness.

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