

# Standard and Utility Parts Catalog

## FINISH OF STANDARD PARTS

The "S" suffix on numbers covering Standard Parts represents the finish of the part as shown by the following list:

SUFFIX	FINISH	COLOR	RECOMMENDED USAGE
S	Plain		
S-M	Nonelectrolytic plating		
S-X	Wax sealer		
S2	Phosphate and lubricant		
S3	Black paint		
S4	Phosphate and oil		
S5	Copper plate		
S6	Nickel plate		
S7	Cadmium plate		
S8	Zinc plate		
S8B	Zinc plate		
S9	Zinc plate — bright chromate		
S10	Tinned		
S11	Copper plate		
S12	Lacquer to match trim		
S13	Chrome plated		
S14	Nickel plate — Butler finish		
S15	Oxidized		
S16	Lead plate		
S18	Case hardened		
S20	Cement coat		
S21	lacquer for identification		
S23	Rustless steel-head polished		
S26	Cadmium or zinc plate and enamel		
S27	Screw Blank		
S28	Sterile coating		
S32	Enamel — black or olive drab		
S34	Case hardened cadmium finish		
S35	Zinc coat		
S36	Zinc plate and Dichromate		
S37	Chrome plate		
S38	Raven finish		
S39	Cadmium plate		
S40	Zinc plate		
S41	Pre-galvanized coat		
S42	Cadmium plate — Black		
S43	Zinc plate plus chromate		
S43B	Zinc plate plus chromate — black		
S45	Chrome plate — stainless steel		
S46	Black phenolic		
S47	Chromium plate		
S48M	Cadmium/tin plate		

S49	Epoxy — Black
S50	Cadmium plate plus iridescent chromate
S51	Zinc plate plus iridescent chromate
S52	Phosphate and oil (Blue)
S53	Baked white organic coating
S54	Cadmium/zinc plate and chromate
S55	Cadmium plate and chromate, organic
S56	Black with corrosion protection
S57	Zinc plate and chromate, organic
S58	Phosphate and dry lubricant
S70	Zinc plate-bright chromate
S71	Zinc plate and chromate
S72	Zinc plate and chromate and lubricant
S73	Zinc plate — black
S74	Zinc plate — matt black
S75	Chromium plated
S76	Phosphate coat plus lubricant
S78	Chromium plate
S79	Zinc plate and chromate
S80	Zinc plate and chromate
S81	Enamel-black or Olive drab phosphate
S82	Zinc plate
S91	O-Ring material
S92	O-Ring material
S93	O-Ring material
S94	O-Ring material
S95	O-Ring material
S96	O-Ring material
S100	Special
S200	Special
S-M	Nonelectrolytic plating
S-X	Wax sealer
S300	PLAIN — No supplementary finish required other than the finish considered the normal result of manufacturing processes for the material and product involved.
S301	SILVER/SILVER GREY CORROSION PROTECTION COATING — With a self lubrication system constituent (Long Term Corrosion Protection)
S302	BLACK ORGANIC CORROSION PROTECTION COATINGS — Without supplementary lubrication (Short Term Corrosion Protection)
S303	BLACK ORGANIC CORROSION PROTECTION COATING (Long Term Corrosion Protection).
S304	ZINC PLATE — Clear chromate passivated without supplementary lubrication (Medium without supplementary lubrication (Medium Term Corrosion Protection) — This finish is a zinc electroplating or mechanical plating to WSD-M1P85-A2 followed by a clear chromate treatment to WSD-M10P10-A1. <b>NOTE: Parts shall not be supplied in an oiled condition.</b>
S304M	ZINC PLATE — Clear chromate passivated without supplementary lubricant (Medium Term Corrosion protection).
S305	ENAMEL — BLACK
S306	BLACK ORGANIC CORROSION PROTECTION COATING (Long Term Corrosion Protection).
S307	BLACK ORGANIC CORROSION PROTECTION COATING (Long Term Corrosion Protection).
S309	ZINC PLATE — Chromate Passivated (Medium Term Corrosion Protection). This finish is a zinc electroplating or mechanical plating. The color of the parts when received by Ford shall be readily identifiable and may vary between gold and bronze.
S309M	ZINC PLATE — Chromate passivated (Medium Term Corrosion Protection) — Shall meet all requirements specified for S309 but shall be mechanically plated only.
S309U	ZINC PLATE — CHROMATE PASSIVATED: This finish is an electrolytic zinc plating.
S310	Black organic corrosion protective coating (long term corrosion protection). These finishes are black organic protective coatings, they are heat cured from organic media.
S401	to S499 Series — SPECIAL

The color of the parts when received by Ford shall be readily identifiable and may vary between gold and bronze.

General purpose zinc plate for the majority of fasteners of PC 10.9 or equivalent and below where lubrication is detrimental, e.g., in contact with plastics.

S403	COPPER PLATE: This finish is an electroplated or mechanically plated copper coating.	Color: Copper	For use on welded parts or for identification purposes.
S407	ORGANIC COAT: This finish is a colored corrosion protective coating for utility parts.	The color shall be as stated on the relevant Utility Part Drawing.	Part identification for non-threaded, externally threaded, or driven fasteners. Not recommended for use with recessed drives or nuts.
S408M	MECHANICAL ZINC PLATE PLUS YELLOW CHROMATE PLUS DRY FILM LUBRICANT	Color: Yellow	This finish was originally released for seat belt thread rollers.
S409M	MECHANICAL ZINC PLATE PLUS BLACK CHROMATE PLUS DRY FILM LUBRICANT	Color: Black	This finish was originally released for seat belt thread rollers.
S413	TIN PLATE: This finish is an electrodeposited tin plate.	Color: Silver	Use for electrical component applications. Not recommended for parts being baked after electroplating.
S414	ZINC PLATE PLUS OLIVE DRAB CHROMATE PASSIVATION	Color: Silver/Olive Drab	Same type applications as S309 but has greater corrosion resistance. Can also be used for part identification.
S415	MECHANICAL ZINC PLATE PLUS MECHANICAL TIN PLATE	Color: Silver	This finish was originally released for use in grounding.
S417	ANODIZING - BLACK: This finish is a black anodize over aluminum or aluminum alloy.	Color: Black	General usage for aluminum fasteners, such as blind rivets. Not for use where electrical conductivity is required of finish.
S421	ELECTROLYTIC ZINC PLATE PLUS BLACK CHROMATE CONVERSION PLUS LUBRICANT	Color: Silver/Black	General purpose black finish for fasteners of PC 10.9 or equivalent and below.
S424	BLACK ORGANIC CORROSION PROTECTION COATING: This finish is a black organic Lubricant: None	Color: Black	This finish was originally released for small screws for passenger compartment applications where recess and/or thread fill was a concern.
S426	CORROSION PROTECTION COATING, ALUMINUM ORGANIC TYPE: This finish is an organic coating over an inorganic zinc rich basecoat.	Color: Gray/Silver	This finish is designed for fasteners requiring extended corrosion protection. Not recommended for any internally driven fasteners or nuts, due to possible recess fill. Not recommended for automated feed.
S427	CORROSION PROTECTIVE COATING, ALUMINUM ORGANIC TYPE: This finish is an organic coating applied over an electrolytic zinc base coat.	Color: Gray/Silver	Most threaded fasteners of PC 10.9 or equivalent and below. This finish was originally released to provide corrosion protection for clips and tube nuts used to secure fuel, brake, power steering and transmission oil cooler lines.
S430	PHOSPHATE AND LUBRICANT: This finish consists of a zinc iron or manganese iron phosphate coating plus a specified approved lubricant.		This finish was originally released for internal engine applications for the control of torque/clamping force performance.
S431	METALLIC GRAY CORROSION PROTECTIVE COATING: This finish is a water dilutable aluminum filled chromate/phosphate compound.	Color: Gray	This finish was originally released for exhaust manifold fasteners.
S432	ELECTROLESS NICKEL: This finish is an electroless nickel-phosphorus alloy plating for metallic	Color: Silver metallic	This finish was originally released for EGR pipe nuts.
S434	ZINC PLATE: This finish is an electroplated coating of zinc with no subsequent chromate	Color: Silver	This finish was originally released for small semi-tubular rivets (M3.5 and smaller). It may also be used as a low cost finish for fasteners not subject to corrosive environments.
S435	ZINC PLATE, CHROMATE, BLACK ORGANIC: This finish is an electrolytic plating of zinc, followed by a black chromate and organic coating on steel surfaces.	Color: Black	Due to hydraulic lock up in processing, parts with flat surfaces, which may be mated, i.e., flat washers, hex flange nuts, etc. should not use this finish.
S436	BLACK ORGANIC CORROSION PROTECTIVE COATING: This is a black organic corrosion protective coating applied over a zinc phosphate layer.	Color: Black	A direct replacement for S428. Intended for general fasteners and small parts in chassis or exterior applications of low visibility. Not intended for body interior applications, high temperature applications, applications in direct contact with plastic, applications directly exposed to solvents, or areas of high visibility.
S437	ELECTROLYTIC ZINC PLATE, TRIVALENT CHROMATE, LEACHED AND SEALED, INTEGRAL TORQUE CONTROL LUBRICANT: This finish is an electrolytic plating of zinc, followed by a trivalent chromate conversion, leached to a silver-white color in a	Color: Silver-white	Zinc plate finish for fasteners of Property Class 10.9 or equivalent and below which contact magnesium or aluminum components. Not recommended for severe abrasion conditions or where chip resistance is required.
S437M	MECHANICAL ZINC PLATE, TRIVALENT CHROMATE, LEACHED AND SEALED, INTEGRAL TORQUE CONTROL LUBRICANT: This finish is a mechanical plating of zinc, followed by a trivalent chromate conversion, leached to a silver-white color in a sealer.	Color: Silver-white	Zinc plate finish for fasteners of Property Class 10.9 or equivalent, which contact magnesium or aluminum components. Not recommended for severe abrasion conditions or where chip resistance is required.