



PATENT PENDING



ADVANCE PRODUCTS & SYSTEMS

Radolid®

Bolt and Nut Protection Caps

Now With Volatile Corrosion Inhibitors (VCI) Patent Pending*

*Patent Pending only applies to Radolid Caps with VCI



ISO-9001 CERTIFIED COMPANY - FM537405



The quick, easy and cost effective way to apply nut and bolt protection.

Radolid® Nut and Bolt Protection Caps are used to eliminate corrosion of nuts and bolts and allow quick removal when necessary. These caps are easily installed by being pressed onto the bolted joint by hand. The barbed edge snaps in place, preventing the caps from accidentally being removed. Manufactured of low density UV- resistant polyethylene, these caps are reusable and will keep nuts and bolts corrosion free for years.



Variety of Types



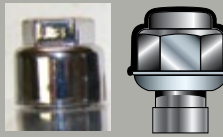
SW
Snap-on
Locking Caps



B
Screw Onto
Threads



KSW
For Truck Wheels



TSW
Telescopic
Caps



BM
Bolt Caps



Type ESW/EBM



The cap is produced in a two component molding. These new caps feature a captive soft sealing lip made from Evoprene; an elastic, flexible material that can be adapted to suit the base, hence providing an excellent seal. The cap body is made from a more solid material, guaranteeing a reliable and stable hold.

- Suitable for offshore applications and other high humidity industries
- Comes in a number of different designs
- Can be supplied for locknuts and threaded ends

KleerGel® Corrosion Inhibitor

KleerGel® Corrosion Inhibitor is a heavy-duty, synthetic lubricant. It is non-staining, non toxic, non-flammable and free of contamination, allowing the KleerGel® to maintain a good viscosity over wide temperature ranges (-50°F to 500°F). It is FDA approved and can be utilized on potable water systems or food processing equipment without contaminating the water or other products.

Benefits of KleerGel®

- Heavy-duty, synthetic lubricant
- Non-Staining
- Non-flammable
- Maintains good viscosity from -50° F to 500° F
- FDA approved
- Lasts four times longer than petroleum based lubricants
- Reduces energy consumption by decreasing friction
- Machinery shows less wear and will run cooler thereby increasing it's life expectancy
- Excellent adhesion - will not drip, run or evaporate
- Dielectric - will not conduct electricity
- Will not damage wood, leather, plastic, fabrics, metals or painted surfaces
- Hydrophobic - 100% waterproof and will not wash out with hot, cold or salt water



Available in black, clear, white, red, grey, chrome and other special colors upon request.



Radolid® Specifications

Size Range: 1/4" to 3 3/4" diameter bolt or stud
 Minimum Height3/8"
 Maximum Height.....8"

Standard Operating Temperature (°F):
 Minimum..... -84
 Maximum.....+210*

* other high temp material available to 430°F

Thermoplastic Synthetic Materials for Radolid® Caps

MATERIAL SPECIFICATIONS

MATERIALS	PLASTIC TYPE	DENSITY	HARDNESS	TEMPERATURE RESISTANCE		BREAKDOWN
				INTERMIT	CONSTANT	VOLTAGE
Standard	LD-PE	0.918	96 A/45 D	212°F (100°C)	176°F (80°C)	100 KV/mm
Special	Polypropylene PP	0.905	98 A/62 D	266°F (130°C)	212°F (100°C)	90 KV/mm
	Polyesterelastomer	1.250	98 A/72 D	320°F (160°C)	248°F (120°C)	23 KV/mm
	Polyamid PA 66	1.140	99 A/70 D	428°F (220°C)	320°F (160°C)	50 KV/mm
	ETFE	1.700	99 A/70 D	428°F (220°C)	302°F (150°C)	140 KV/mm

RESISTANCE

MATERIALS	PLASTIC TYPE	RESISTANT TO	NOT RESISTANT TO
Standard	LD-PE	Grease, oils, alcohol, fuels, non-oxidizing acids and lyes, water and sea water	Oxidizing agents, chlorhydrocarbons
Special	Polypropylene PP	Grease, oils, alcohol, fuels, detergents, water and seawater, watery solutions; such as solutions of salts, acids and lyes	Aromatic, halgenised hydrocarbons, oxidizing agents; such as nitric acid
	Polyesterelastomer	Grease, oils, alcohol, fuels, detergents, water and sea water, aliphatic and aromatic compounds, 50% sulphuric acid	Hydrochloric acid, fluoric acid, chlorine gases
	Polyamid PA 66	Grease, oils, alcohol, fuels, detergents, water and sea water, solvents, lyes	Acids, oxidizing agents
	ETFE	Grease, oils, chlorine, nitric acid, hydrochloric acid	Fluorine, fluorine hydrocarbon, fluorine acids



What is VCI?

Volatile Corrosion Inhibitors (VCIs) are a class of corrosion inhibiting compounds, some or all of whose ingredients have sufficient energy (vapor pressure) to release molecules from the resin compound into the air and block the corrosive effects of electrolytes. VCI molecules condense in a microscopic layer on all surfaces they can reach. For VCI to work properly, caps must be secured on the head of the bolt or nut fitting flush with the surface of the flange or substrate. This is to maintain the VCI's integrity under the cap. Radolid® protection caps with VCI additive are the only nut and bolt caps available in the market. Radolid® caps with VCI can be reused 2 to 3 times before requiring grease to be added to the fitting.



To Order Please Specify The Following:

1. Bolt Diameter (flat to flat)
2. Model
3. Special length caps, if required
4. Colors other than black

Other Quality Products Available

- Kleerband® Flange Band Protectors
- Casing Insulators and End Seals
- Innerlynx® - Modular Mechanical Seals
- IsoJoint® - Monolithic Isolators
- Foreman Nite Caps - temporary pipe plugs
- Standard Isolating Gasket Kits
- Integra SSA® - Cathodic Isolating Gasket Kits
- Gal-vo-plast® Wall Sleeves
- UBolt-Cote® and Atlas Pipe® Support Pads
- Safety Spray Shields



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