

Stocked Dimensions		
Carbon and Alloy Steels	Stainless Steels	Exotic Materials
M4 to M100 1/4" to 4"	M4 to M75 1/4" to 3 1/2"	M4 to M75 1/4" to 3

- * All thread forms available.
- * Non-standard or large diameter bolting can be manufactured to order.

Selection of Raw Materials			
Carbon and Alloy Steels	Stainless Steels	Super (Nickel) Alloys and Duplex Steels	Non Ferrous
Mild Steel 080M40 (EN8) 605M36 (EN16) 708M40 (EN19) 817M40 (EN24) 826M40 (EN26) B7 B5 B16 B5 4882 B16A * DUREHETE 900/950/1055 * JETHETE X19 42CrMo4 24CrMo5 21CrMoV57	303/304(18-8/A2)/316(A4) A2 & A4 - 50/70/80/90 321/310/347 422 410/416/420/431 B8/B8M/B8T B8X/B8MX/B8TX B8/B8M/B8T - Class 2 B8C B6 C3-80 17-4 PH FV520B *Nitronic 50/60 904L	*Monel 400 *Monel K500 *Inconel 600/601/625/718 *Incoloy 800/800HT/825 *Hastelloy B2/C4/C22/C276 *Ferralium 255 UNS S32760 *Zeron 100 *254SMO (UNS S31254) UNS S31803 A453 660 A/B/D *Nimonic 75/80a/90 Titanium Alloys *Carpenter 20 Tantalum	Aluminium Bronze Aluminium Silicon Bronze Phosphor Bronze Manganese Bronze Brass Naval Brass Copper Cupro Nickel 70/30 Cupro Nickel 90/10 *Hiduron 191 *Marinel Aluminium Plastic Nylon PTFE

*Registered Trademark

Standard Forms



Full Thread Studbolts



Full Thread Heavy Series Hexagon Set Screws



Part Thread Heavy Series Hexagon Bolts



Heavy Series Hexagon Nuts



Plain Bar And Threaded Bar



Socket Cap Products



12 Pt. Ferry Bolts



Components in Non-standard or Exotic Materials



Specialised Coatings

“Lone Star PRD Group has developed a reputation as one of the leading coating applicators in the region.”

PTFE, Ceramic and Plated Finishes

The Group has developed a reputation for the application of PTFE, Sermaguard and Ceramic Coatings in conjunction with the world’s leading coating companies. With investment in the latest computer controlled curing ovens and associated application plant to provide a world leading facility to its customers throughout the World.

In addition to PTFE, Sermaguard and ceramic coatings, we can also offer a range of finishes including zinc, nickel, hot dipped galvanized, chemical galvanizing, cadmium and chromium finishes to various specifications

Galvanized, Cadmium, Zinc and Chrome Finishes		
Material Finishes	Standard	Components
Hot Dip Galvanizing	ASTM A 153 ASTM A 641 ASTM B 695 ASTM A 123 BS EN ISO 1461	Rolled / Pressed Steel / Hardware Carbon Steel Wire (Nails / Staples / etc...) Iron and Steel Iron and Steel Anchor Bolts, Fabricated Products Heavy Zinc Deposit 388.1 to 76.2 microns
Electro-deposit Zinc Plating	ASTM B633 BS 3382 PART 2	Iron and Steel Products Bright Finish
Electro-deposit Cadmium Plating	BS 3382 PART 1	Semi-bright Finish
Electro-deposit Nickel Cadmium Plating	AMS 2416	Steel
Electro-deposit Nickel and Nickel Plus Chromium	BS 3382 PART 3 & 4	Steel and Copper Alloy
Phosphate Coating	BS 3189 DEF 29	Dark Black Finish, Coating sealed with Oil or Grease
Black Oxidizing	BS ISO 11408	Steel and Iron
Lubricants	Dry Film Lubricants	Dry Moly

Specialised Coatings

Xylar 1: Aqueous / acidic based aluminium “cermet” coating. Excellent chemical, corrosion and abrasion resistance at extreme temperatures. Typical application: Xylar coatings provide the aerospace, engineering and marine industries with materials to protect components from high temperatures oxidation, salt laden atmospheres, chemical and abrasives. Operating temperature: -40°C to +535°C - Continuous.

SermaGuard 1105: is a high performance coating that can be applied to metallic and non-metallic surfaces to provide resistance to corrosion, thermal oxidation, abrasion and erosion. SermaGuard 1105 is a water based slurry comprised of an acidic chromate/phosphate binder system containing dispersed aluminium particles.

SermaGuard 1280: is a silver metallic resin bonded fluorocarbon coating designed for spray application over properly prepared SermaGuard basecoat or over zinc plate pre-treatment. The coating functions primarily as a topcoat-sealer to extend the corrosion performance of the coated article, especially in most S02 (Kesternich) and salt laden environments.

Dykor PVDF Spray on Tri Coating System: Basecoat Dykor 204 / Midcoat Cykor 205 / Topcoat Dykor 202. For use in chemical resistant, corrosion resistant and abrasion / wear resistant applications as a high build coating with thickness of 300-600 microns being possible. Dykor 200 Series consist of primer, midcoat and topcoat and is used to primarily line chemical process and storage vessels. Dykor has been the engineering polymer of choice for severe chemical applications for nearly three decades. Dykor forms a tough, abrasion resistant barrier which, if employed as recommended, will protect the equipment for many years.

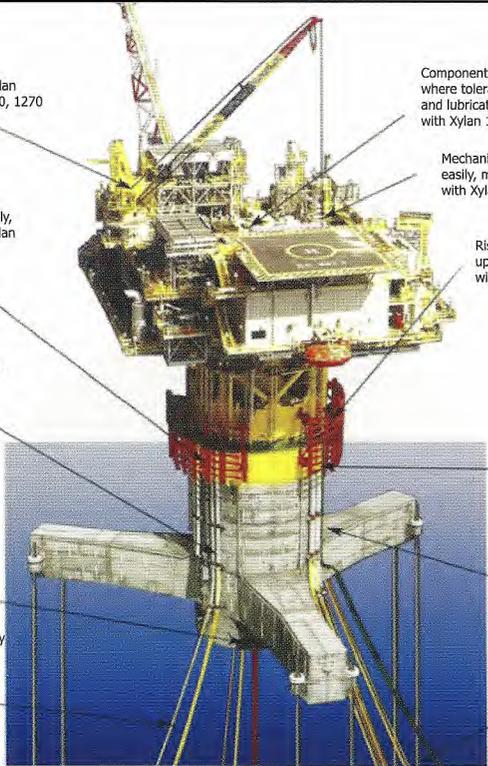
Typical Applications: Chemical processing equipment, heat exchangers, flu-pipes, valves, pipe fittings, pumps, tanks, reactor vessels, sucker rods, oil well tubing, couplings, fan drive clutch with a continuous operating temperature of up to 150°C.



PTFE for fasteners

Xylan 1070: Highly corrosion-resistant, low friction coating designed to reduce make-up and break-out torque, even after prolonged exposure to corrosive environments. Xylan 1070 also offers good wear and abrasion resistance.

Xylan 1424: Waterborne, highly corrosion-resistant, dry-film lubricant designed for use on any mating surface requiring lubrication. Xylan 1424 reduces make-up and break-out and also offers excellent chemical and abrasion resistance. Similar to Xylan 1070.



Fastener resist corrosion with Xylan 1424, 1070, 1400, 1270

Components resist corrosion where tolerance is critical and lubrication unnecessary with Xylan 1212

Mechanisms actuate easily, move freely, with Xylan 1213

Valves actuate easily, don't gall, with Xylan 1425, 1052

Riser bolts make up to precise loads with Xylan 1010

Connectors are highly visible, corrodes less, with Xylan 1514

Blowout preventors actuate more quickly, resist chemical attack, with Xylan 1311

Down-hole tools resist paraffin/chloride fouling, chemical attack, with Xylan 1331

Fasteners are more visible, easily replaced, with Xylan 1424, 1014

Umbilical connectors are easy to spot, resist corrosion, with Xylan 1427, 1070

Mooring systems resist corrosion, are easy to locate with Xylan 1427, 1070

Xylan Coatings For Offshore Applications

Other Available Coating Application

Xylan 1010: Dry-film lubricant for any wear surface to reduce friction, prevent scoring and galling, and provide secondary lubrication in the event of failure of the primary (conventional) lubricant. In addition to its low coefficient of friction (0.014-1.00), Xylan 1010 has good release properties, good chemical and abrasion resistance, and operates at temperatures up to 285°C (550°F).

Xylan 1014: Similar to Xylan 1010, but with significantly more bonding resin relative to its content of polytetrafluoroethylene (PTFE) lubricant. This provides a finish that is harder, more abrasion resistant, glossier and less porous. Friction values remain low predictable.

Xylan 1052: Dry-film lubricant formulated with PTFE and MoS₂ for high-pressure, low-speed wear applications. Its unique chemistry provides dependable, bonded lubrication for bearing surfaces subjected to extreme pressure of up to 10,500kg/cm² (150,000 psi). Xylan 1052 operates at temperatures up to 285°C (550°F).

Xylan 1212: Waterborne thin-film barrier coating with excellent corrosion resistance, ideal where tolerance is critical and lubrication unnecessary.

Xylan 1213: Waterborne, dry-film lubricant designed for high-pressure/low-speed applications. When combined with Xylan 1212 offers good corrosion abrasion resistance.

Xylan 1270 (1400): Alternative to Xylan 1070 (1424), but with less lubrication. For fasteners where reduced break-out torque is not necessary.

Xylan 1311: Similar to Xylan 1331 with less PTFE. Use when abrasion resistance is more important than lubrication and/or nonwetting properties.

Xylan 1331: Dry-film lubricant with PPS and PTFE for outstanding wear/abrasion resistance. This resin-bonded coating has excellent corrosion and chemical resistance and is virtually unaffected by any solvents up to 205°C (400°F).

Xylan 1425: Waterborne, dry-film lubricant formulated with PTFE and MoS₂ specifically for high-pressure, low-speed wear applications. Its unique chemistry provides dependable, bonded lubrication for bearing surfaces subjected to extreme pressures of up to 10,500 kg/cm² (150,000 psi). Xylan 1425 operates well in harsh chemical environments and at temperatures up to 190°C (370°F) Similar to 1052.

Xylan 1427: Waterborne, highly corrosion resistant, low-friction coating designed to reduce make-up and break-out torque, even after prolonged exposure to corrosive environments. Xylan 1427 also offers excellent chemical, wear and abrasion resistance.

Xylan 1514: UV-resistant, dry-film lubricant with excellent low friction. Xylan 1514 is designed for highly visible, applications where stain resistance and easy-clean properties are required. This coating also offers some corrosion and abrasion resistance.



Industrial Sealing Components

"Speciality gaskets and solutions for Oil, Gas, Petrochemical and Utility Industries."

Spiral Wound Gaskets

Spiral Wound Gaskets (SWG) are stocked and manufactured to international standards or customer specific requirements. These are available with or without guide rings dependent upon application and can be manufactured up to 3 meters in diameter.



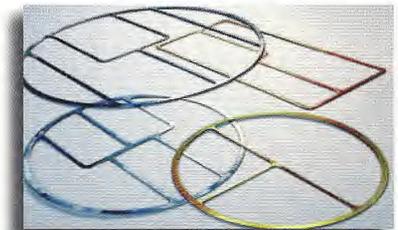
Ring Type Joints

API Ring Type Joints (RTJ) are kept in stock in a variety of forms including "R" (oval and octagonal), BX and RX rings in various materials, non-standard or customer specification RTJ's can be machined as required.



Metal Jacketed Gaskets

Triplefast can manufacture a diverse range of metal jacketed gaskets. These are available as simple rings or more complex design with pass partitions available in single piece or of fabricated construction up to 3 meters in diameter.



Cut Gaskets and Sheet Materials

Various thickness of sheet materials are stocked and can be cut to suit customer needs from standard sizes in accordance with international standards. Large or irregular shaped gaskets can be manufactured on demand meeting customer specific requirements.

