8000 DISOGRIN VERLON 'COOL BLUE' Ultra-Precision PISTON Wear Ring  8000 Series VERLON II 'COOL BLUE' Ultra-Precision are precisely processed, specially formulated thermoplastic resin with high compressive strength and load bearing capabilities. VERLON II low friction 'COOL BLUE' Wear Rings are long wearing, non-scoring and internally lubricated, designed for PISTON applications. Cross section .062", .080", .125"+T18, 1,5mm-2,5mm-3,0mm. Width range .250" to 5.000". All cross section finished to tolerance of +/-0.001".

Technical Data

Temperature (Typ.) -54°C/135°C to -65°F/275°

Applications:

- bulldozers
- construction equipment
- forklifts
- mobilelifts
- agricultural equipment
- mobile arm trucks
- injection molding machines
- general cylinders

Precisely processed to +/-.001", this guide band is precisely processed from a specially formulated reinforced nylon. It's high compressive strength and load bearing capabilities meet or exceed that of most metals used for this purpose.

- Ultra Precision, turned to +/-0.001"
- extremely low wear
- eliminates galling and scoring of cylinder bores and rods
- ingests harmful metal flakes, burs, and small chips, thus will not generate contamination as is common with metallic rings
- compatible with common hydraulic oils, water emulsions, water glycol, and phosphate ester fluids
- high strength and stiffness provides special advantages in port-passing applications
8001 DISOGRIN VERLON 'COOL BLUE' Ultra-Precision ROD Wear Ring  8001 Series VERLON II 'COOL BLUE' Ultra-Precision precisely processed, specially formulated engineered thermoplastic resin are long wearing, non-scoring and internally lubricated, designed for rod applications. Cross section .062", .080", .125", 1.5mm-2.5mm-3.0mm. Width .250" to 5.000". Cross section finished to tolerance +/- .001".

Technical Data

Temperature (Typ.)-54°C/135°C to -65°F/275°F

Applications:

- bulldozers
- construction equipment
- forklifts
- mobilelifts
- agricultural equipment
- mobile arm trucks
- injection molding machines
- general cylinders

Precisely processed to +/-0.001", this guide band is precisely processed from a specially formulated reinforced nylon. It's high compressive strength and load bearing capabilities meet or exceed that of most metals used for this purpose.

- Ultra Precision, turned to +/-0.001"
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- eliminates galling and scoring of cylinder bores and rods
- ingests harmful metal flakes, burs, and small chips, thus will not generate contamination as is common with metallic rings
- compatible with common hydraulic oils, water emulsions, water glycol, and phosphate ester fluids
- high strength and stiffness provides special advantages in port-passing applications
7000 DISOGRIN VERLON 'No Swell' Ultra-Precision PISTON Wear Ring  
7000 Series VERLON NO SWELL are manufactured from high compressive strength, low friction, non moisture swelling, co-polymer acetal for PISTON APPLICATIONS. Series 7000 have 30% more bearing area than conventional wear rings. VERLIN compounds quite noisy pneumatic or hydraulic systems.

Technical Data

Temperature (Typ.) up to 93 °C / 200 °F

Applications:

- bulldozers
- construction equipment
- forklifts
- mobilelifts
- agricultural equipment
- injection molding machines
- mobile arm trucks
- general cylinders

Precisely processed to +/-0.001", this no-swell guide band greatly benefits modern hydraulic designs, as well as retrofitted installations. It's manufactured under rigid conditions that result in more uniform tolerances, so it has 30% more bearing contact area than conventionally manufactured wear rings.

- Ultra Precision, turned to +/-0.001"
- virtually zero moisture swell
- economically priced
- self-lubricating
- ultra-precision
- long wearing
- low friction
7001 DISOGRIN VERLON 'No Swell' Ultra-Precision ROD Wear Ring  

7001 Series VERLON NO SWELL manufactured from very high compressive strength, low friction, non moisture swelling co-polymer acetal, designed for rod applications have 30% more bearing area than convention wear rings. VERLIN compounds quite noisy pneumatic or hydraulic systems. All cross section finished to tolerance +/-0.001".

Technical Data

Temperature (Typ.) -54°C/135°C to -65°F/275°F

Applications:

- bulldozers
- construction equipment
- forklifts
- mobilelifts
- agricultural equipment
- mobile arm trucks
- injection molding machines
- general cylinders

Precisely processed to +/-0.001", the 7001 series rod guide band is manufactured with from very high compressive strength, low friction, non moisture swelling co-polymer acetyl. Designed for rod applications, they have 30% more bearing area than convention wear rings.

- Ultra Precision, turned to +/-0.001"
- virtually zero moisture swell
- economically priced
- self-lubricating
- ultra-precision
- long wearing
- low friction
6000 DISOGRIN VERLON III+ 'No Swell' Ultra-Precision PISTON Wear Ring  

6000 Series VERLON III+ NO SWELL are manufactured from very high compressive strength, low friction, non moisture swelling HTN (High temperature Nylon), reinforced with carbon fiber and designed for PISTON APPLICATIONS. Series 6000 have 30% more bearing area than conventional wear rings. Cross section finished to tolerance +/- .001".

Technical Data

Temperature (Typ.) up to 121 °C / 250 °F

Applications:

- bulldozers
- construction equipment
- forklifts
- mobile lifts
- agricultural equipment
- injection molding machines
- mobile arm trucks
- general cylinders

Precisely processed to +/-0.001", this no-swell guide band greatly benefits modern hydraulic designs, as well as retrofitted installations. It's manufactured under rigid conditions that result in more uniform tolerances, so it has 30% more bearing contact area than conventionally manufactured wear rings.

- Ultra Precision, turned to +/-0.001"
- virtually zero moisture swell
- high compression strength
- self-lubricating
- ultra-precision
- extra long wearing
- low coefficient of friction
6001 DISOGRIN VERLON III+ 'No Swell' Ultra-Precision ROD Wear Ring  6001 Series VERLON III+ NO SWELL manufactured from very high compressive strength, low friction, non moisture swelling HTN. (High temperature Nylon), reinforced with carbon fiber are designed for rod applications. Series 6001 have 30% more bearing area than conventional wear rings and operate at 100 °F higher than standard Nylon compounds. Cross section finished to tolerance +/-0.001”.

Technical Data

Temperature (Typ.)-54°C/135°C to -65°F/275°F

Applications:

- bulldozers
- construction equipment
- forklifts
- mobilelifts
- agricultural equipment
- mobile arm trucks
- injection molding machines
- general cylinders

Precisely processed to +/-0.001", the 6001 series rod guide band is manufactured with very high compressive strength, low friction, non moisture swelling HTN (High temperature Nylon), and reinforced with carbon fiber. These guide bands have 30% more bearing area than conventional guide bands and operate at 100 °F higher than standard Nylon compounds.

- Ultra Precision, turned to +/-0.001"
- virtually zero moisture swell
- high compression strength
- self-lubricating
- ultra-precision
- extra long wearing
- low coefficient of friction
5000 DISOGRIN VERLON III 'No Swell' Ultra-Precision PISTON Wear Ring  

5000 Series VERLON III NO SWELL piston rings are manufactured from very high compressive strength, low friction, non moisture swelling HTN. (High temperature Nylon). Series 5000 Ultra-Precision have 30% more bearing area than convention wear rings and operate at 100 degrees F higher than standard Nylon compounds. Cross section finished to tolerance of +/-0.001".

Technical Data

Temperature (Typ.) up to 121 °C / 250 °F

Applications:

- bulldozers
- construction equipment
- forklifts
- mobilelifts
- agricultural equipment
- mobile arm trucks
- injection molding machines
- general cylinders

Precisely processed to +/-0.001", this no-swell guide band greatly benefits modern hydraulic designs, as well as retrofitted installations. It's manufactured under rigid conditions that result in more uniform tolerances, so it has 30% more bearing contact area than conventionally manufactured wear rings.

- Ultra Precision, turned to +/-0.001"
- virtually zero moisture swell
- highest compression strength
- self-lubricating
- ultra-precision
- long wearing
5001 DISOGRIN VERLON III 'No Swell' Ultra-Precision ROD Wear Ring  5001 Series VERLON III NO SWELL manufactured from very high compressive strength, low friction, non moisture swelling HTN (High temperature Nylon), designed for ROD APPLICATIONS have 30% more bearing area than convention wear rings. VERLON III compounds operate 100 F higher than standard Nylon compounds. Cross section finished to tolerance of +/-0.001".

Technical Data

Temperature (Typ.) up to 121 °C / 250 °F

Applications:

- bulldozers
- construction equipment
- forklifts
- mobilelifts
- agricultural equipment
- injection molding machines
- mobile arm trucks
- general cylinders

Precisely processed to +/-0.001", this no-swell guide band greatly benefits modern hydraulic designs, as well as retrofitted installations. It's manufactured under rigid conditions that result in more uniform tolerances, so it has 30% more bearing contact area than conventionally manufactured wear rings.

- Ultra Precision, turned to +/-0.001"
- virtually zero moisture swell
- highest compression strength
- self-lubricating
- ultra-precision
- long wearing
2000 DISOGRIN VERLON Ultra-Precision PISTON Wear Ring  2000 Series VERLON Ultra-Precision precisely processed, specially formulated engineered thermoplastic resin are long wearing, non-scoring and internally lubricated, designed for PISTON APPLICATIONS. Cross sections .062", .080", .125", 1.5mm-2.5mm-3.0mm. Width range .250" to 5.000". Cross section finished to tolerance +/-0.001".

Technical Data

Please contact Industrial Seal Inc.

Applications:

- earth moving equipment
- forklifts
- agricultural equipment
- truck cranes
- injection molding machines
- standard hydraulic cylinders
- tailgate lift

Verlon 2000 is a precisely processed to +/-0.001", specially formulated engineered thermoplastic resin. It's high compressive strength and load bearing capabilities meet or exceed that of most metals used for wear rings.

- Ultra Precision, turned to +/-0.001"
- tough properties allow for extremely low wear
- eliminates metal-to-metal contact and the consequent galling and scoring of cylinder bores and rods
- readily ingests harmful metal flakes, burrs, and small chips; will not generate contamination as is common with metallic guide bands
- compatible with all common hydraulic oils, water emulsions, water glycol, and phosphate ester fluids, as well as many others
- will operate at temperatures to 350°F
- high strength and stiffness provides special advantages in port-passing applications
- available up to 12” in diameter and up to 1” width.
**2001 DISOGRIN VERLON Ultra-Precision ROD Wear Ring** 2001 Series VERLON Ultra-Precision precisely processed, specially formulated engineered thermoplastic resin are long wearing, non-scoring and internally lubricated, designed for piston applications. Cross sections .062", .080", .125", 1.5mm-2.5mm-3.0mm. Width .250" to 5.000". Cross section finished to tolerance +/-0.001".

**Technical Data**

**Please contact Industrial Seal Inc.**

**Applications:**

- earth moving equipment
- forklifts
- agricultural equipment
- truck cranes
- injection molding machines
- standard hydraulic cylinders
- tailgate lift

Verlon 2001 is a precisely processed to +/- 0.001", specially formulated engineered thermoplastic resin. Its high compressive strength and load bearing capabilities meet or exceed that of most metals used for wear rings.

- Ultra Precision, turned to +/-0.001"
- tough properties allow for extremely low wear
- eliminate metal-to-metal contact and the consequent galling and scoring of cylinder bores and rods
- readily ingest harmful metal flakes, burrs, and small chips; will not generate contamination as is common with metallic guide bands
- compatible with all common hydraulic oils, water emulsions, water glycol, and phosphate ester fluids, as well as many others
- will operate at temperatures to 350°F
- high strength and stiffness provides special advantages in port-passing applications
- available up to 12” in diameter and up to 1” width.
1900 DISOGRIN Piston Wear Ring  1900 Series VERLON precisely processed, specially formulated engineered thermoplastic resin with high compressive strength and load bearing capabilities. VERLON Series 1900 are long wearing, non-scoring and internally lubricated and designed for PISTON APPLICATIONS. Cross sections .062, .080, .125, 1.5mm-2.5mm-3.0mm. Width range .250" to 1.000". Most economical wear ring available.

Technical Data

Please contact Industrial Seal Inc.

Applications:

- earth moving equipment
- forklifts
- agricultural equipment
- truck cranes
- injection molding machines
- standard hydraulic cylinders
- tailgate lift

Features Verlon 1900 is a precisely processed, specially formulated engineered thermoplastic resin. It's high compressive strength and load bearing capabilities meet or exceed that of most metals used for wear rings.

- tough properties allow for extremely low wear
- eliminates metal-to-metal contact and the consequent galling and scoring of cylinder bores and rods
- readily ingests harmful metal flakes, burrs, and small chips; will not generate contamination as is common with metallic guide bands
- compatible with all common hydraulic oils, water emulsions, water glycol, and phosphate ester fluids, as well as many others
- will operate at temperatures to 350°F
- high strength and stiffness provides special advantages in port-passing applications
- available up to 12” in diameter and up to 1” width.
1901 DISOGRIN Rod Wear Ring  1901 Series VERLON precisely processed, specially formulated engineered thermoplastic resin are long wearing, non-scoring and internally lubricated, designed for ROD APPLICATIONS. Cross sections .062, .080, .125, 1.5mm-2.5mm-3.0mm. Width range .250" to 1.000". Most economical wear ring available.

Technical Data

Please contact Industrial Seal Inc.

Applications:

- earth moving equipment
- forklifts
- agricultural equipment
- truck cranes
- injection molding machines
- standard hydraulic cylinders
- tailgate lift

Verlon 1901 is a precisely processed, specially formulated engineered thermoplastic resin. Its high compressive strength and load bearing capabilities meet or exceed that of most metals used for wear rings.

- tough properties allow for extremely low wear
- eliminate metal-to-metal contact and the consequent galling and scoring of cylinder bores and rods
- readily ingest harmful metal flakes, burrs, and small chips; will not generate contamination as is common with metallic guide bands
- compatible with all common hydraulic oils, water emulsions, water glycol, and phosphate ester fluids, as well as many others
- will operate at temperatures to 350°F
- high strength and stiffness provides special advantages in port-passing applications
- available up to 12” in diameter and up to 1” width.