



Couplings & Accessories™

Kuri-Clamp™ Worm Gear Clamps



**Constant
Tension**



**Heavy
Duty**

**Standard
Duty**

Mini



plastiXs®
manufacturing solutions



Kuriyama of America, Inc.



ISO 9001:2008
QUALITY M.S.

EDITION 1018

Kuri-Clamp™ Standard Duty Worm Gear Clamp



WGC-CS Series WGC-SS Series

General Applications:

- Automotive
- Industrial
- General purpose

Construction (WGC-CS): Four-piece construction consisting of a 1/2" wide, 300 series stainless steel band; plated carbon steel hex screw with 5/16" head and two-piece, 300 series stainless steel housing.

Construction (WGC-SS): Four-piece construction consisting of a 1/2" wide, 300 series stainless steel band; stainless steel hex screw with 5/16" head and two-piece, 300 series stainless steel housing.

Features and Advantages:

- **Quadra-Lock Housing** – Four-piece, quadra-lock housing design: added saddle eliminates risk of seam separation, virtually eliminating housing "lift and twist".
- **Evenly Distributed Radial Pressure** – Quality controlled to military standard specifications for even distribution of sealing pressure. Eliminates leakage caused by uneven housings and provides higher sealing pressure with lower applied torque.
- **Arched, Perforated Slots** – Provides for more overall steel between perforations for added band strength and allows for smoother engagement.
- **Stainless Steel Band** – 300 series stainless steel band provides durability and superior corrosion resistance.
- **Hex Screw** - Sharply defined hex angles for better gripping power. More threads per screw results in increased torque strength.
- **Meets Industry Standards** – Clamps are SAE J1508 Type F and RoHS compliant.
- **Torque Rating** – Suggested installation torque of 25-37 inch pounds (WGC-CS), and 30-45 inch pounds (WGC-SS).

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

Kuri-Clamp™ Standard Duty Worm Gear Clamp

Kuri-Clamp™ Standard Duty Worm Gear Clamp

Stainless Steel Band & Housing with
Carbon Steel Screw

Nominal Specifications					
Part Number	Size Range (in)	Pieces Per Box	Band Width (in)	Torque Rating (in/lbs)	Weight Per Box (lbs)
WGC-CS06	7/16 - 25/32	10	1/2	25-37	0.60
WGC-CS08	1/2 - 29/32	10	1/2	25-37	0.60
WGC-CS10	9/16 - 1 1/16	10	1/2	25-37	0.60
WGC-CS12	11/16 - 1 1/4	10	1/2	25-37	0.60
WGC-CS16	13/16 - 1 1/2	10	1/2	25-37	0.70
WGC-CS20	13/16 - 1 3/4	10	1/2	25-37	0.70
WGC-CS24	1 1/16 - 2	10	1/2	25-37	0.80
WGC-CS28	1 5/16 - 2 1/4	10	1/2	25-37	0.80
WGC-CS32	1 9/16 - 2 1/2	10	1/2	25-37	0.80
WGC-CS36	1 13/16 - 2 3/4	10	1/2	25-37	0.90
WGC-CS40	2 1/16 - 3	10	1/2	25-37	0.90
WGC-CS44	2 5/16 - 3 1/4	10	1/2	25-37	0.90
WGC-CS48	2 9/16 - 3 1/2	10	1/2	25-37	1.00
WGC-CS52	2 13/16 - 3 3/4	10	1/2	25-37	1.10
WGC-CS56	3 1/16 - 4	10	1/2	25-37	1.10
WGC-CS60	3 5/16 - 4 1/4	10	1/2	25-37	1.20
WGC-CS64	3 9/16 - 4 1/2	10	1/2	25-37	1.20
WGC-CS72	1 7/8 - 5	10	1/2	25-37	1.30
WGC-CS80	2 1/2 - 5 1/2	10	1/2	25-37	1.40
WGC-CS88	3 1/8 - 6	10	1/2	25-37	1.40
WGC-CS96	3 5/8 - 6 1/2	10	1/2	25-37	1.50
WGC-CS104	4 1/8 - 7	10	1/2	25-37	1.50

* CLAMPS ONLY SOLD IN BOX QUANTITIES

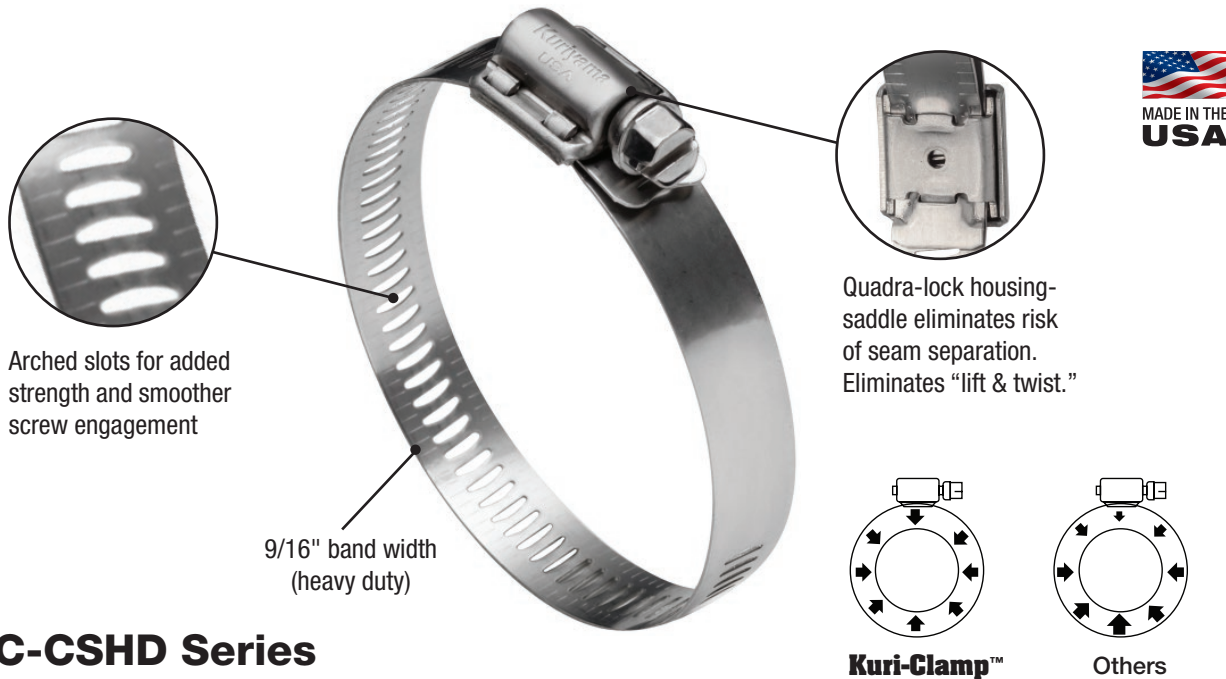
Kuri-Clamp™ Standard Duty Worm Gear Clamp

Stainless Steel Band, Housing, & Screw

Nominal Specifications					
Part Number	Size Range (in)	Pieces Per Box	Band Width (in)	Torque Rating (in/lbs)	Weight Per Box (lbs)
WGC-SS06	7/16 - 25/32	10	1/2	30-45	0.60
WGC-SS08	1/2 - 29/32	10	1/2	30-45	0.60
WGC-SS10	9/16 - 1 1/16	10	1/2	30-45	0.60
WGC-SS12	11/16 - 1 1/4	10	1/2	30-45	0.60
WGC-SS16	13/16 - 1 1/2	10	1/2	30-45	0.70
WGC-SS20	13/16 - 1 3/4	10	1/2	30-45	0.70
WGC-SS24	1 1/16 - 2	10	1/2	30-45	0.80
WGC-SS28	1 5/16 - 2 1/4	10	1/2	30-45	0.80
WGC-SS32	1 9/16 - 2 1/2	10	1/2	30-45	0.80
WGC-SS36	1 13/16 - 2 3/4	10	1/2	30-45	0.90
WGC-SS40	2 1/16 - 3	10	1/2	30-45	0.90
WGC-SS44	2 5/16 - 3 1/4	10	1/2	30-45	0.90
WGC-SS48	2 9/16 - 3 1/2	10	1/2	30-45	1.00
WGC-SS52	2 13/16 - 3 3/4	10	1/2	30-45	1.10
WGC-SS56	3 1/16 - 4	10	1/2	30-45	1.10
WGC-SS60	3 5/16 - 4 1/4	10	1/2	30-45	1.20
WGC-SS64	3 9/16 - 4 1/2	10	1/2	30-45	1.20
WGC-SS72	1 7/8 - 5	10	1/2	30-45	1.30
WGC-SS80	2 1/2 - 5 1/2	10	1/2	30-45	1.40
WGC-SS88	3 1/8 - 6	10	1/2	30-45	1.40
WGC-SS96	3 5/8 - 6 1/2	10	1/2	30-45	1.50
WGC-SS104	4 1/8 - 7	10	1/2	30-45	1.50

* CLAMPS ONLY SOLD IN BOX QUANTITIES

Kuri-Clamp™ Heavy Duty Worm Gear Clamp



WGC-CSHD Series WGC-SSHD Series

General Applications:

- Aircraft
- Industrial

Construction (WGC-CSHD): Four-piece construction consisting of a 9/16" wide, 300 series stainless steel band; plated carbon steel hex screw with 5/16" head and two-piece, 300 series stainless steel housing.

Construction (WGC-SSHD): Four-piece construction consisting of a 9/16" wide, 300 series stainless steel band; stainless steel hex screw with 5/16" head and two-piece, 300 series stainless steel housing.

Features and Advantages:

- **Quadra-Lock Housing** – Four-piece, quadra-lock housing design: added saddle eliminates risk of seam separation, virtually eliminating housing "lift and twist".
- **Evenly Distributed Radial Pressure** – Quality controlled to military standard specifications for even distribution of sealing pressure. Eliminates leakage caused by uneven housings and provides higher sealing pressure with lower applied torque.
- **Arched, Perforated Slots** – Provides for more overall steel between perforations for added band strength and allows for smoother engagement.
- **Heavy Duty Stainless Steel Band** – 300 Series stainless steel band provides durability and superior corrosion resistance. Wider than standard clamps for greater strength.
- **Hex Screw** – Sharply defined hex angles for better gripping power. More threads per screw results in increased torque strength.
- **Meets Industry Standards** – Clamps are SAE J1508 Type F and RoHS compliant.
- **Torque Rating** – Suggested installation torque of 25-37 inch pounds (WGC-CSHD), and 30-45 inch pounds (WGC-SSHD).

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Kuri-Clamp™ Heavy Duty Worm Gear Clamp

Kuri-Clamp™ Heavy Duty Worm Gear Clamp
Stainless Steel Band & Housing with
Carbon Steel Screw

Kuri-Clamp™ Heavy Duty Worm Gear Clamp
Stainless Steel Band, Housing, & Screw

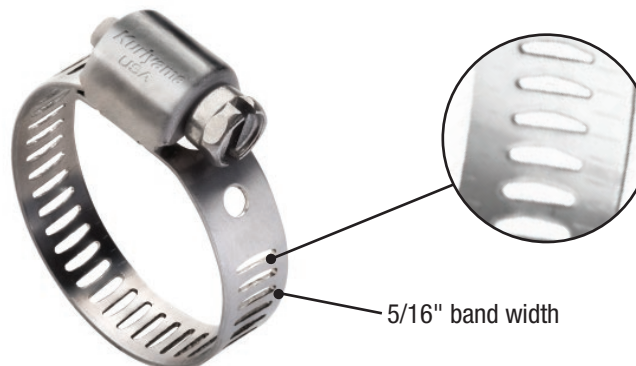
Nominal Specifications					
Part Number	Size Range (in)	Pieces Per Box	Band Width (in)	Torque Rating (in/lbs)	Weight Per Box (lbs)
WGC-CSHD06	7/16 - 25/32	10	9/16	25-37	0.60
WGC-CSHD08	1/2 - 29/32	10	9/16	25-37	0.60
WGC-CSHD10	9/16 - 1 1/16	10	9/16	25-37	0.60
WGC-CSHD12	11/16 - 1 1/4	10	9/16	25-37	0.60
WGC-CSHD16	13/16 - 1 1/2	10	9/16	25-37	0.70
WGC-CSHD20	13/16 - 1 3/4	10	9/16	25-37	0.70
WGC-CSHD24	1 1/16 - 2	10	9/16	25-37	0.80
WGC-CSHD28	1 5/16 - 2 1/4	10	9/16	25-37	0.80
WGC-CSHD32	1 9/16 - 2 1/2	10	9/16	25-37	0.80
WGC-CSHD36	1 13/16 - 2 3/4	10	9/16	25-37	0.90
WGC-CSHD40	2 1/16 - 3	10	9/16	25-37	0.90
WGC-CSHD44	2 5/16 - 3 1/4	10	9/16	25-37	0.90
WGC-CSHD48	2 9/16 - 3 1/2	10	9/16	25-37	1.00
WGC-CSHD52	2 13/16 - 3 3/4	10	9/16	25-37	1.10
WGC-CSHD56	3 1/16 - 4	10	9/16	25-37	1.10
WGC-CSHD60	3 5/16 - 4 1/4	10	9/16	25-37	1.20
WGC-CSHD64	3 9/16 - 4 1/2	10	9/16	25-37	1.20
WGC-CSHD72	1 7/8 - 5	10	9/16	25-37	1.30
WGC-CSHD80	2 1/2 - 5 1/2	10	9/16	25-37	1.40
WGC-CSHD88	3 1/8 - 6	10	9/16	25-37	1.40
WGC-CSHD96	3 5/8 - 6 1/2	10	9/16	25-37	1.50
WGC-CSHD104	4 1/8 - 7	10	9/16	25-37	1.50
WGC-CSHD128	5 5/8 - 8 1/2	10	9/16	25-37	1.60
WGC-CSHD152	7 1/8 - 10	10	9/16	25-37	1.70
WGC-CSHD188	9 3/8 - 12 1/4	10	9/16	25-37	1.90

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Nominal Specifications					
Part Number	Size Range (in)	Pieces Per Box	Band Width (in)	Torque Rating (in/lbs)	Weight Per Box (lbs)
WGC-SSHD06	7/16 - 25/32	10	9/16	30-45	0.60
WGC-SSHD08	1/2 - 29/32	10	9/16	30-45	0.60
WGC-SSHD10	9/16 - 1 1/16	10	9/16	30-45	0.60
WGC-SSHD12	11/16 - 1 1/4	10	9/16	30-45	0.60
WGC-SSHD16	13/16 - 1 1/2	10	9/16	30-45	0.70
WGC-SSHD20	13/16 - 1 3/4	10	9/16	30-45	0.70
WGC-SSHD24	1 1/16 - 2	10	9/16	30-45	0.80
WGC-SSHD28	1 5/16 - 2 1/4	10	9/16	30-45	0.80
WGC-SSHD32	1 9/16 - 2 1/2	10	9/16	30-45	0.80
WGC-SSHD36	1 13/16 - 2 3/4	10	9/16	30-45	0.90
WGC-SSHD40	2 1/16 - 3	10	9/16	30-45	0.90
WGC-SSHD44	2 5/16 - 3 1/4	10	9/16	30-45	0.90
WGC-SSHD48	2 9/16 - 3 1/2	10	9/16	30-45	1.00
WGC-SSHD52	2 13/16 - 3 3/4	10	9/16	30-45	1.10
WGC-SSHD56	3 1/16 - 4	10	9/16	30-45	1.10
WGC-SSHD60	3 5/16 - 4 1/4	10	9/16	30-45	1.20
WGC-SSHD64	3 9/16 - 4 1/2	10	9/16	30-45	1.20
WGC-SSHD72	1 7/8 - 5	10	9/16	30-45	1.30
WGC-SSHD80	2 1/2 - 5 1/2	10	9/16	30-45	1.40
WGC-SSHD88	3 1/8 - 6	10	9/16	30-45	1.40
WGC-SSHD96	3 5/8 - 6 1/2	10	9/16	30-45	1.50
WGC-SSHD104	4 1/8 - 7	10	9/16	30-45	1.50
WGC-SSHD128	5 5/8 - 8 1/2	10	9/16	30-45	1.60
WGC-SSHD152	7 1/8 - 10	10	9/16	30-45	1.70
WGC-SSHD188	9 3/8 - 12 1/4	10	9/16	30-45	1.90

* CLAMPS ONLY SOLD IN BOX QUANTITIES

Kuri-Clamp™ Mini Worm Gear Clamp



Arched slots for added strength and smoother screw engagement

5/16" band width

WGC-MCS Series WGC-MSS Series

General Applications:

- Small diameter applications
- Air & fuel lines

Construction (WGC-MCS): Three-piece construction consisting of a 5/16" wide, 300 series stainless steel band; plated carbon steel hex screw with 1/4" head and one-piece, 300 series stainless steel housing.

Construction (WGC-MSS): Three-piece construction consisting of a 5/16" wide, 300 series stainless steel band; 300 series stainless steel hex screw with 1/4" head and one-piece, 300 series stainless steel housing.

Features and Advantages:

- **Three-piece Design** – Streamlined, lightweight, three-piece design perfect for tight installations.
- **Arched, Perforated Slots** – Provides for more overall steel between perforations for added band strength and allows for smoother engagement.
- **Stainless Steel Band** – 300 series stainless steel band provides durability and superior corrosion resistance.
- **Hex Screw** - Sharply defined hex angles for better gripping power. More threads per screw results in increased torque strength.
- **Meets Industry Standards** – Clamps are SAE J1508 Type M and RoHS compliant.
- **Torque Rating** – Suggested installation torque of 10-15 inch pounds.

Kuri-Clamp™ Mini Worm Gear Clamp Stainless Steel Band & Housing with Carbon Steel Screw

Nominal Specifications

Part Number	Size Range (in)	Pieces Per Box	Band Width (in)	Torque Rating (in/lbs)	Weight Per Box (lbs)
WGC-MCS04	7/32 - 5/8	10	5/16	10-15	0.20
WGC-MCS06	7/16 - 25/32	10	5/16	10-15	0.20
WGC-MCS08	1/2 - 29/32	10	5/16	10-15	0.20
WGC-MCS10	9/16 - 1 1/16	10	5/16	10-15	0.20
WGC-MCS12	11/16 - 1 1/4	10	5/16	10-15	0.30

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Kuri-Clamp™ Mini Worm Gear Clamp Stainless Steel Band, Housing, & Screw

Nominal Specifications

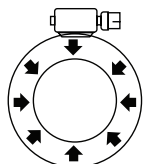
Part Number	Size Range (in)	Pieces Per Box	Band Width (in)	Torque Rating (in/lbs)	Weight Per Box (lbs)
WGC-MSS04	7/32 - 5/8	10	5/16	10-15	0.20
WGC-MSS06	7/16 - 25/32	10	5/16	10-15	0.20
WGC-MSS08	1/2 - 29/32	10	5/16	10-15	0.20
WGC-MSS10	9/16 - 1 1/16	10	5/16	10-15	0.20
WGC-MSS12	11/16 - 1 1/4	10	5/16	10-15	0.30

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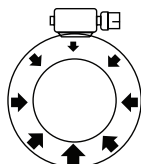
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Kuri-Clamp[™] “Constant Tension” Worm Gear Clamp

Quadra-lock housing-saddle eliminates risk of seam separation. Eliminates “lift & twist.”



Kuri-Clamp[™]



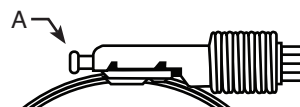
Others

Even Sealing Pressure – Quality controlled to comply with military standards.



Constant-tension, heavy duty spring construction controls automatic clamp adjustment.

5/8" band width (heavy duty)



“Torque check”-clamp installed correctly when screw tip “A” extends beyond the housing and washers are flat. Use of torque wrench recommended.



WGC-CT Series

General Applications:

- Air intake and coolant connections
- Systems where clamps cannot be retightened
- Systems with expansion or contraction

Features and Advantages:

- **“Constant Tension” Performance** – Belleville spring mechanism permits the clamps to automatically increase or decrease diameter due to operational or environmental temperature changes.
- **Extended Inner Liner** – Protects silicone and other soft hoses from damage, extrusion or shear.
- **Quadra-Lock Housing** – Four-piece, quadra-lock housing design: added saddle eliminates risk of seam separation, virtually eliminating housing “lift and twist”.
- **Evenly Distributed Radial Pressure** – Quality controlled to military standard specifications for even distribution of sealing pressure. Eliminates leakage caused by uneven housings and provides higher sealing pressure with lower applied torque.

Construction: 5/8" wide, 300 series stainless steel band; plated carbon steel hex screw with 3/8" head; two-piece, 300 series stainless steel housing and ten Belleville spring washers.

- **Heavy Duty Stainless Steel Band** – 300 Series stainless steel band provides durability and superior corrosion resistance. Wider than standard clamps for greater strength.
- **Arched, Perforated Slots** – Provides for more overall steel between perforations for added band strength and allows for smoother engagement.
- **Hex Screw** - Sharply defined hex angles for better gripping power. More threads per screw for increased torque strength.
- **Meets Industry Standards** – Clamps are SAE J1508 Type SLDH and RoHS compliant.
- **Torque Rating** – Suggested installation torque of 90 inch pounds.

Nominal Specifications

Part Number	Size Range (in)	Pieces Per Box	Band Width (in)	Torque Rating (in/lbs)	Weight Per Box (lbs)
WGC-CT175	1 - 1 3/4	10	9/16	90	1.90
WGC-CT200	1 1/4 - 2 1/8	10	9/16	90	2.00
WGC-CT250	1 3/4 - 2 5/8	10	9/16	90	2.10
WGC-CT300	2 - 3 1/8	10	9/16	90	2.30
WGC-CT350	2 3/4 - 3 5/8	10	9/16	90	2.40
WGC-CT400	3 1/4 - 4 1/8	10	9/16	90	2.40
WGC-CT450	3 3/4 - 4 5/8	10	9/16	90	2.70
WGC-CT500	4 1/4 - 5 1/8	10	9/16	90	2.80

Nominal Specifications (continued)

Part Number	Size Range (in)	Pieces Per Box	Band Width (in)	Torque Rating (in/lbs)	Weight Per Box (lbs)
WGC-CT550	4 3/4 - 5 5/8	10	9/16	90	2.80
WGC-CT600	5 1/4 - 6 1/8	10	9/16	90	2.80
WGC-CT650	5 3/4 - 6 5/8	10	9/16	90	2.80
WGC-CT700	6 1/4 - 7 1/8	10	9/16	90	3.00
WGC-CT750	6 3/4 - 7 5/8	10	9/16	90	3.00
WGC-CT800	7 1/4 - 8 1/8	10	9/16	90	3.00
WGC-CT850	7 3/4 - 8 5/8	10	9/16	90	3.00
WGC-CT900	8 1/4 - 9 1/8	10	9/16	90	3.00

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Cautionary Statement

All Products sold and distributed by Kuriyama of America, Inc. are in the nature of commodities and they are sold by published specifications and not for particular purposes, uses or applications. Purchaser shall first determine their suitability for the intended purposes, uses or applications and shall either conduct its own engineering studies or tests, or retain qualified engineers, consultants or testing laboratories and consult with them before determining the proper use, suitability or propriety of the merchandise or Products for the intended purposes, uses or applications.

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Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

Purchasers or users of the Products should frequently and consistently undertake inspections and protective measures with respect to the use and application of Products, which should include the examination of tube and cover, conditions of the hose or tubing, and the identification, repair or replacement of sections showing cracking, blistering, separations, internal and external abrasions, leaking or slipped couplings or connections and make proper proof tests.

Limited Warranty

The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions. ALL WARRANTY CLAIMS SHALL BE MADE WITHIN SIX (6) MONTHS AFTER SELLER SHIPPED THE PRODUCTS. SELLER'S LIABILITY HEREUNDER IS LIMITED AT SELLER'S EXCLUSIVE DISCRETION, TO 1) THE PURCHASE PRICE OF ANY PRODUCTS PROVING DEFECTIVE; 2) REPAIR OF ANY DEFECTIVE PRODUCT OR PART THEREOF; OR 3) REPLACEMENT OF ANY DEFECTIVE PRODUCT OR PART UPON ITS AUTHORIZED RETURN TO SELLER.

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