



**vertex**<sup>®</sup>  
D I S T R I B U T I O N 

***Worm-Drive  
Hose Clamps***

As one of the leading master distributors of corrosion-resistant standard-inch, metric and alloy steel metric fasteners and rivets, Vertex Distribution continues to set the highest standard of personalized service in the industry. In addition to our new headquarters and distribution center in Attleboro, Massachusetts, Vertex has a nationwide network of distribution facilities. The distribution centers and sales offices are conveniently located in Atlanta, Charlotte, Chicago, Cleveland, Dallas, Houston, Los Angeles and Tampa.

Vertex is proud to offer a full line of stainless steel Worm-Drive Hose Clamps. Vertex is the only hose clamp supplier that is able to offer and ship stainless steel inch and metric fasteners, alloy metric fasteners and a full line of blind rivets to our customers with their hose clamp order. This will allow our customers to consolidate vendors, and order more products from a single source. Our valued customers can consolidate freight, save time and make more profit by lowering their transaction and shipping costs.

## Think VERTEX for Hose Clamps and more...

### Hose Clamp Code Definitions:

VERTEX Hose Clamp Prefix: 08

#### Hose Clamp Type

W= Worm-Drive  
T= T-Bolt  
CT= Constant Tension

#### Vertex Category

#### Hose Clamp Construction

60=Stainless steel band w/zinc - plated screw  
30=Stainless steel band w/410 S/S screw  
40=All 300 Grade Stainless Steel incl. screw  
50=All 316 Grade Stainless Steel incl. screw

#### SAE Size Designation

#### Band Size

M=Miniature 5/16"  
None=Standard 1/2"

**08 W 40 - 6 M**



### VERTEX Customized Service

Vertex offers Mill Order Programs and Stock & Release Programs customized to your needs. Contact your local sales office or visit our website: [www.vertexdistribution.com](http://www.vertexdistribution.com)

# STANDARD WORM-DRIVE HOSE CLAMPS

## SAE TYPE "F"



Also called Worm-Gear hose clamps. These are the most commonly used hose clamps. They are economical and reusable. These clamps have a 1/2" wide stainless steel band and a 5/16" slotted hex head screw. The banding detaches from the housing so you can install and remove these clamps without disconnecting the hose or tube. Not recommended for use with silicone (soft) hose or tube.

All VERTEX worm-drive hose clamps are manufactured in compliance with ANSI / SAE J 1670 recognized standard, entitled "Type F clamps for plumbing applications".

### Hose Clamp Construction

W60=201/301 Stainless steel band & housing with zinc-plated screw  
 W30=201/301 Stainless steel band & housing with 410 Stainless steel screw  
 W40=All 300 Grade Stainless steel band, housing and screw. Marine Grade.

•Uniform Plumbing Code Certified by the IAPMO.

**W40 Standard clamp only**

W50=All 316 Grade Stainless steel band, housing and screw.  
 Superior corrosion-resistance.



W30-40



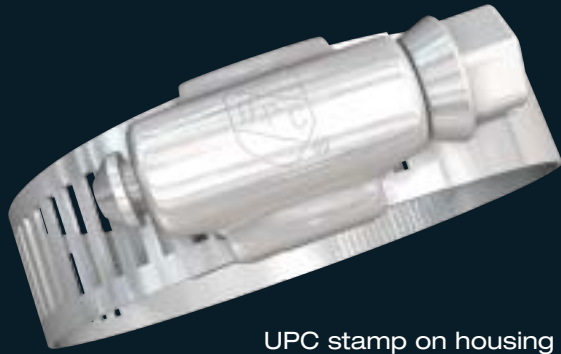
W30-12

SAE SIZE	W60	W30	W40	W50
6	W60-6	W30-6	W40-6	W50-6
8	W60-8	W30-8	W40-8	W50-8
10	W60-10	W30-10	W40-10	W50-10
12	W60-12	W30-12	W40-12	W50-12
16	W60-16	W30-16	W40-16	W50-16
20	W60-20	W30-20	W40-20	W50-20
24	W60-24	W30-24	W40-24	W50-24
28	W60-28	W30-28	W40-28	W50-28
32	W60-32	W30-32	W40-32	W50-32
36	W60-36	W30-36	W40-36	W50-36
40	W60-40	W30-40	W40-40	W50-40
44	W60-44	W30-44	W40-44	W50-44
48	W60-48	W30-48	W40-48	W50-48
52	W60-52	W30-52	W40-52	
56	W60-56	W30-56	W40-56	
60	W60-60	W30-60	W40-60	
64	W60-64	W30-64	W40-64	
72	W60-72	W30-72	W40-72	
80	W60-80	W30-80	W40-80	
88	W60-88	W30-88	W40-88	
96	W60-96	W30-96	W40-96	
104	W60-104	W30-104	W40-104	
128			W40-128	

Other sizes available upon request. Contact us.

**Durability Torque:** W60 Series 50 lbs.- in.  
 W30, W40 & W50 Series 60 lbs.- in.

**Installation Torque:** Good practice indicates to install at 50% to 70% of the rated Durability Torque.



UPC stamp on housing



W40-28

Clamp Range (in.)	Clamp Range (mm)	SAE SIZE
7/16 - 3/4	11 - 20	6
1/2 - 7/8	13 - 23	8
1/2 - 1-1/16	14 - 27	10
1/2 - 1-1/4	18 - 32	12
13/16 - 1-1/2	21 - 38	16
13/16 - 1-3/4	21 - 44	20
1-1/16 - 2	27 - 51	24
1-5/16 - 2-1/4	35 - 57	28
1-9/16 - 2-1/2	40 - 63	32
1-13/16 - 2-3/4	46 - 70	36
2-1/16 - 3	52 - 76	40
2-5/16 - 3-1/4	59 - 82	44
2-9/16 - 3-1/2	65 - 89	48
2-13/16 - 3-3/4	72 - 95	52
3-1/16 - 4	78 - 101	56
3-5/16 - 4-1/4	84 - 108	60
3-9/16 - 4-1/2	91 - 114	64
4-1/8 - 5	105-127	72
4-5/8 - 5-1/2	118-140	80
5-1/8 - 6	130-152	88
5-5/8 - 6-1/2	143-165	96
6-1/8 - 7	155-178	104
5-11/16 - 8-1/2	144-216	128



W40-20



W60-24

## Worm-Drive

Also called Worm-Gear hose clamps. These are the most commonly used hose clamps. They are economical and reusable. These clamps have banding that detaches from the housing so you can install and remove them without disconnecting the hose or tube. Not recommended for use with silicone (soft) hose or tube.

## SAE No.

Society of Automotive Engineers industry size designation for the maximum ID of worm-drive clamps (except for constant-tension and high-torque styles) according to SAE J1508.

## Torque

The amount of force times distance (in either inch-pounds or Newton-meters) that is used to tighten the nut on a clamp. Worm-Drive, Miniature and T-Bolt clamps have a maximum torque rating to insure a proper seal. Do not tighten beyond the maximum torque limit as clamps can be damaged and cause leaks. The proper torque is unique for each application and must be developed by the end user.

## MINIATURE WORM-DRIVE HOSE CLAMPS - SAE TYPE "M"

Also referred to as Mini or Micro hose clamps. These clamps have a 5/16" wide stainless steel band and a 1/4" slotted hex head screw. The low profile housing allows these clamps to be installed in tight areas.



W40-6M



W40-8M

### Hose Clamp Construction

W60=201/301 Stainless steel band & housing with zinc-plated screw

W30=201/301 Stainless steel band & housing with 410 Stainless steel screw

W40=All 300 Grade Stainless steel band, housing and screw. Marine Grade.

W50=All 316 Grade Stainless steel band, housing and screw. Superior corrosion-resistance.

SAE SIZE	W60	W30	W40	W50	Clamp Range (in.)	Clamp Range (mm)
4	W60-4M	W30-4M	W40-4M	W50-4M	1/4 - 5/8	6 - 16
6	W60-6M	W30-6M	W40-6M	W50-6M	5/16 - 7/8	8 - 22
8	W60-8M	W30-8M	W40-8M	W50-8M	3/8 - 1	10 - 25
10	W60-10M	W30-10M	W40-10M	W50-10M	3/8 - 1-1/16	10 - 27

Other sizes available upon request. Contact us.

**Durability Torque:** W60 & W30 Series 20 lbs.- in.

W40 & W50 Series 15 lbs.- in.

**Installation Torque:** Good practice indicates to install at 50% to 70% of the rated Durability Torque.

**YOUR SOURCE FOR INCH AND METRIC FASTENERS IN STAINLESS, BRASS, SILICON BRONZE, NICU400, AND ALUMINUM.....**

**Cap Screws and Bolts**

- Carriage Bolts
- Hex Head (F593)
- Lag Bolts
- Tap Bolts (F593)

**Lock Washers**

- External Tooth
- High Collar
- Internal Tooth
- Light
- Medium

**Machine Screws**

- Sems
- Slotted Binder
- Slotted Fillister
- Slotted/Phillips Flat (82° and 100°)
- Slotted/Phillips Oval
- Slotted/Phillips Round
- Slotted/Phillips Truss
- Square Drive Deck Screws
- Trimmed Hex Head
- Indented Hex Head
- Phillips Pan Type F

**Nuts**

- Cap Nuts
- Coupling Nuts
- Extra Small Pattern Hex M/S Nuts
- Finished Hex Jam Nuts
- Finished Hex Nuts
- Heavy Hex Nuts
- K-Lock Nuts
- Knurled Nuts
- Machine Screw Nuts
- Nylon Insert Lock Nuts (Reg. & Thin)
- Small Pattern Hex M/S Nuts
- Square Nuts
- Wing Nuts (Cold Formed)
- Serrated Flange Nuts

**Pins**

- Cotter Pins
- Dowel Pins

**Self Drilling Screws TEK 410ss**

- Phillips Pan
- Hex Washer Head

**Sheet Metal Screws**

- Hex Washer Head
- Slotted/Phillips Flat (82°)
- Slotted/Phillips Oval
- Slotted/Phillips Round
- Slotted/Phillips Truss

**Socket Screws**

- Button Socket Cap
- Flat Socket Cap
- Socket Cap
- Socket Set Screws - Cup Point
- Square Head Set Screws
- Stripper Bolts

**U Drive Screws**

**Threaded Rod**

- Lengths: 3', 6', & 12'
- Finished Hex Nuts

**Washers**

- AN960C (Dimensional only)
- Belleville
- Fender Washers
- Finishing Cup Washers
- MS 15795 (Dimensional only)
- N400P (Dimensional only)
- SAE
- Standard Flat Washers
- NAS620C (Dimensional only)

**AND FULL RANGE OF ALLOY METRIC FASTENERS**

Partial List of DINs in Stock

**Cap Screws and Bolts**

- Din 603 - Carriage Bolts
- Din 580 - Lifting Eye Bolts
- Din 931 - Partial Thread Hex Cap
- Din 933 - Full Thread Hex Cap
- Din 960 - Fine Thread/Partial Thread Hex Cap
- Din 961 - Fine Thread/Full Thread Hex Cap
- Din 692 - Non Serrated Flange Bolts

**Machine Screws**

- Din 84 - Slotted Cheese Head
- Din 85 - Slotted Pan Head
- Din 963 - Slotted Flat Head
- Din 964 - Slotted Oval Head
- Din 965 - Phillips Flat Head
- Din 966 - Phillips Oval Head
- Din 7985 - Phillips Pan Head
- ISO 7380 Button Head Socket Cap Screw

**Nuts**

- Din 315 - Wing Nuts
- Din 439 - Hex Low Nuts
- Din 929 - Weld Nuts
- Din 934 - Hex Nuts
- Din 935 - Castle Nuts
- Din 980V - Prevailing Torque Nuts
- Din 985 - Nylon Insert Lock Nuts
- Din 6334 - Coupling Nuts
- Din 6923 - Non -Serrated Flange Nuts
- K-Lock Nuts
- T-Nuts
- ASTM A194 2H Heavy

**Pins**

- Din 94 - Cotter Pins
- Din 6325 - Hardened Dowel Pins
- Din 1481 - Roll Pin (Spring Pin)

**Retaining Rings**

- Din 471 - External Retaining Rings
- Din 472 - Internal Retaining Rings

**Sockets**

- Din 912 - Socket Cap Screws
- Din 913 - Socket Set Screw-Flat Pt
- Din 914 - Socket Set Screw-Cone Pt
- Din 915 - Socket Set Screw-Dog Pt
- Din 916 - Socket Set Screw-Cup Pt
- Din 7985 - Low Head Socket C/S
- Din 7991 - Flat Head Socket C/S

**Threaded Rod**

- Din 976 - Gr. 4.6, 8.8, B7

**Washers**

- Din 125 - Flat Washers
- Din 125-200HV-Hardened Flat
- Din 127 - Lock Washers
- Din 137 - Spring (Wave) Washers (Type A & B)
- Din 6796 - Conical Spring Washers
- Din 6797A- External Tooth L/W
- Din 6797J - Internal Tooth L/W
- Din 6916 - Structural Washers
- Din 7980 - High Collar L/W

**AND FULL LINE OF BLIND RIVETS IN ALUMINUM, STEEL, AND STAINLESS STEEL**

**Types**

- Open
- Closed-End
- Multi-Grip
- Structural Rivets
- Back-up Washers

**Styles**

- Dome Head
- Large Flange
- Countersunk

Please Call or See Our Catalog For The Full Line of Metric Fasteners We Stock, And Availability To Over 50,000 Items With a Delivery of 3 to 4 Weeks.

Material: Alloy Gr. 4.6, 8.8, 10.9, 12.9 - Plain, Zinc Plated and Zinc Yellow • Stainless: A2 and A4 • Brass

Mill Shipments Available • Online ordering available • Visit our Website: [www.vertexdistribution.com](http://www.vertexdistribution.com)

Branches in: Attleboro, MA (800)888-2355 • Elk Grove Village, IL (800)283-2355 • Chatsworth, CA (888)798-0091  
Houston, TX (800)678-2555 • Charlotte, NC (800)825-2355 • Cleveland, OH (800)284-2355  
Tampa, FL (800)688-2358 • Arlington, TX (800)678-2555 • Atlanta, GA (888)798-0093

