



vertex[®]
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

08 W 40 - 6 M

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"



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

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

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Types

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Closed-End
Multi-Grip
Structural Rivets
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Styles

Dome Head
Large Flange
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A removable bolt and hinged, floating bridge enable this clamp to be opened fully for quick and easy installation and removal. The T-Bolt hose clamp has a wider, thicker band than most clamps, plus beveled edges that prevent hose damage. It is tightened with a T-Bolt, trunnion, and nut for the basic style latch. T-Bolt hose clamps provide greater band tension for the same amount of torque as a worm-drive hose clamp.

Hose Clamp Construction

T2 = 430 Stainless Steel band & housing with grade 8.8 zinc-plated screw

T4 = All 304 Stainless steel band, housing and screw. Marine Grade.



T4-250



T2-165

T2 Series	T4 Series	Clamping Range (in.)	Clamping Range (mm)	Torque lbs.- in.
08T2 - 75	08T4 - 75	0.67 - 0.75	17 - 19	62
08T2 - 80	08T4 - 80	0.75 - 0.83	19 - 21	62
08T2 - 85	08T4 - 85	0.83 - 0.91	21 - 23	62
08T2 - 100	08T4 - 100	0.91 - 0.98	23 - 25	62
08T2 - 105	08T4 - 105	0.98 - 1.06	25 - 27	62
08T2 - 110	08T4 - 110	1.06 - 1.14	27 - 29	62
08T2 - 120	08T4 - 120	1.14 - 1.22	29 - 31	142
08T2 - 125	08T4 - 125	1.22 - 1.34	31 - 34	142
08T2 - 140	08T4 - 140	1.34 - 1.46	34 - 37	142
08T2 - 150	08T4 - 150	1.46 - 1.57	37 - 40	142
08T2 - 165	08T4 - 165	1.57 - 1.69	40 - 43	142
08T2 - 175	08T4 - 175	1.69 - 1.85	43 - 47	142
08T2 - 200	08T4 - 200	1.85 - 2.01	47 - 51	142
08T2 - 210	08T4 - 210	2.01 - 2.17	51 - 55	142
08T2 - 225	08T4 - 225	2.17 - 2.32	55 - 59	142
08T2 - 238	08T4 - 238	2.32 - 2.48	59 - 63	142
08T2 - 250	08T4 - 250	2.48 - 2.68	63 - 68	142
08T2 - 275	08T4 - 275	2.68 - 2.87	68 - 73	221
08T2 - 300	08T4 - 300	2.87 - 3.11	73 - 79	221
08T2 - 325	08T4 - 325	3.11 - 3.35	79 - 85	221
08T2 - 350	08T4 - 350	3.35 - 3.58	85 - 91	221
08T2 - 375	08T4 - 375	3.58 - 3.82	91 - 97	221
08T2 - 400	08T4 - 400	3.82 - 4.09	97 - 104	221
08T2 - 425	08T4 - 425	4.09 - 4.41	104 - 112	221
08T2 - 450	08T4 - 450	4.41 - 4.76	112 - 121	221
08T2 - 500	08T4 - 500	4.76 - 5.12	121 - 130	221
08T2 - 525	08T4 - 525	5.12 - 5.51	130 - 140	443
08T2 - 575	08T4 - 575	5.51 - 5.91	140 - 150	443
08T2 - 600	08T4 - 600	5.91 - 6.38	150 - 162	443
08T2 - 650	08T4 - 650	6.38 - 6.85	162 - 174	443
08T2 - 700	08T4 - 700	6.85 - 7.36	174 - 187	443
08T2 - 750	08T4 - 750	7.36 - 7.87	187 - 200	443
08T2 - 800	08T4 - 800	7.87 - 8.39	200 - 213	443
08T2 - 850	08T4 - 850	8.39 - 8.90	213 - 226	443
08T2 - 900	08T4 - 900	8.90 - 9.41	226 - 239	443
08T2 - 950	08T4 - 950	9.41 - 9.92	239 - 252	443
08T2 - 1000		9.92 - 10.83	252 - 275	443

HEAVY DUTY CONSTANT TENSION T-BOLT HOSE CLAMPS



Also called Constant Torque T-Bolt hose clamps. These spring-loaded clamps apply constant tension to the hose and provides a strong, leak-proof seal in applications where variances in operating temperatures occur.

Hose Clamp Construction

CT= 430 Stainless steel band and arch band.
302/304 Stainless steel disc spring & sleeve
Stainless steel "Belleville" washer.
Plated steel bolt

CT Series	Clamping Range (in.)	Clamping Range (mm)	Max. Torque lbs.- in.
08CT-275	2.68 - 2.87	68 - 73	220
08CT-300	2.87 - 3.11	73 - 79	220
08CT-325	3.11 - 3.35	79 - 85	220
08CT-350	3.35 - 3.58	85 - 91	220
08CT-375	3.58 - 3.82	91 - 97	220
08CT-400	3.82 - 4.09	97 - 104	220
08CT-425	4.09 - 4.41	104 - 112	220
08CT-450	4.41 - 4.76	112 - 121	220
08CT-500	4.76 - 5.12	121 - 130	220

We recommend usage at 75% of the maximum value



CT-400



CT-275

VERTEX is proud to offer Mikalor SUPRA W2 , SUPRA W4 , and SUPRACT branded hose clamps.