

Star Stainless



Hose Clamp Catalog



LINDFAST
Solutions Group

As the leading master distributors of corrosion-resistant standard-inch, metric and rivets, Star Stainless continues to set the highest standard of personalized service in the industry. Star Stainless has a nationwide network of distribution facilities. The distribution centers and sales offices are conveniently located in Atlanta, Chicago, Dallas, Denver, Houston, Northern California, Southern California, New England, Northern New Jersey, Pittsburgh, Seattle, Tampa and Ontario, Canada.

Star Stainless is proud to offer a full line of stainless steel Worm-Drive Hose Clamps. Star Stainless is the only hose clamp supplier that is able to offer and ship stainless steel inch and 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 **Star** for Hose Clamps and more...

■ Hose Clamp Code Definitions:

Hose Clamp Type

HW = Worm Drive

Hose Clamp Material

1= 300 series stainless steel
2= 316 series stainless steel

Hose Clamp Construction

6=Stainless steel band w/zinc - plated screw
3=Stainless steel band w/430 S/S screw
4=All 300 Grade Stainless Steel incl. screw
5=All 316 Grade Stainless Steel incl. screw

SAE Size Designation

Band Size

31=Miniature 5/16"
50=Standard 1/2"

1- HW3 - 20 - 50



1-HW3-40-50

Star Customized Service

Star offers Mill Order Programs and Stock & Release Programs customized to your needs. Contact your local sales office or visit our website:
www.starstainless.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 Star Stainless 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

1-HW6=201/301 Stainless steel band & housing with zinc-plated screw
 1-HW3=201/301 Stainless steel band & housing with 410 Stainless screw
 1-HW4=All 300 Grade Stainless steel band, housing and screw.
 •Uniform Plumbing Code Certified by the IAPMO.
 1-HW4 Standard clamp only
 2-HW5=All 316 Grade Stainless steel band, housing and screw.
 Superior corrosion-resistance.



1-HW30-40



1-HW3-12-50

SAE SIZE	1-HW6	1-HW3	1-HW4	2-HW5
6	1-HW6-6-50	1-HW3-6-50	1-HW4-6-50	2-HW5-6-50
8	1-HW6-8-50	1-HW3-8-50	1-HW4-8-50	2-HW5-8-50
10	1-HW6-10-50	1-HW3-10-50	1-HW4-10-50	2-HW5-10-50
12	1-HW6-12-50	1-HW3-12-50	1-HW4-12-50	2-HW5-12-50
16	1-HW6-16-50	1-HW3-16-50	1-HW4-16-50	2-HW5-16-50
20	1-HW6-20-50	1-HW3-20-50	1-HW4-20-50	2-HW5-20-50
24	1-HW6-24-50	1-HW3-24-50	1-HW4-24-50	2-HW5-24-50
28	1-HW6-28-50	1-HW3-28-50	1-HW4-28-50	2-HW5-28-50
32	1-HW6-32-50	1-HW3-32-50	1-HW4-32-50	2-HW5-32-50
36	1-HW6-36-50	1-HW3-36-50	1-HW4-36-50	2-HW5-36-50
40	1-HW6-40-50	1-HW3-40-50	1-HW4-40-50	2-HW5-40-50
44	1-HW6-44-50	1-HW3-44-50	1-HW4-44-50	2-HW5-44-50
48	1-HW6-48-50	1-HW3-48-50	1-HW4-48-50	2-HW5-48-50
52	1-HW6-52-50	1-HW3-52-50	1-HW4-52-50	2-HW5-52-50
56	1-HW6-56-50	1-HW3-56-50	1-HW4-56-50	2-HW5-56-50
60	1-HW6-60-50	1-HW3-60-50	1-HW4-60-50	2-HW5-60-50
64	1-HW6-64-50	1-HW3-64-50	1-HW4-64-50	2-HW5-64-50
72	1-HW6-72-50	1-HW3-72-50	1-HW4-72-50	2-HW5-72-50
80	1-HW6-80-50	1-HW3-80-50	1-HW4-80-50	2-HW5-80-50
88	1-HW6-88-50	1-HW3-88-50	1-HW4-88-50	2-HW5-88-50
96	1-HW6-96-50	1-HW3-96-50	1-HW4-96-50	2-HW5-96-50
104	1-HW6-104-50	1-HW3-104-50	1-HW4-104-50	2-HW5-104-50
128	1-HW6-128-50	1-HW3-128-50	1-HW4-128-50	2-HW5-128-50



Star stamp on housing



1-HW4-28-50

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



1-HW4-20-50



1-HW6-24-50

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.



1HM4-6-31



1-HM4-8-31

Hose Clamp Construction

1-HM6=201/301 Stainless band & housing with zinc-plated screw

1-HM3=201/301 Stainless band & housing with 410 Stainless steel screw

1-HM4=All 300 Grade Stainless band, housing and screw. Marine Grade.

2-HM5=All 316 Grade Stainless band, housing and screw. Superior corrosion-resistance.

SAE SIZE	1-HM6	1-HM3	1-HM4	2-HM5	Clamp Range (in.)	Clamp Range (mm)
4	1-HM6-4-31	1-HM3-4-31	1-HM4-4-31	1-HM5-4-31	1/4 - 5/8	6 - 16
6	1-HM6-6-31	1-HM3-6-31	1-HM4-6-31	1-HM5-6-31	5/16 - 7/8	8 - 22
8	1-HM6-8-31	1-HM3-8-31	1-HM4-8-31	1-HM5-8-31	3/8 - 1	10 - 25
10	1-HM6-10-31	1-HM3-10-31	1-HM4-10-31	1-HM5010-31	3/8 - 1-1/16	10 - 27

Other sizes available upon request. Contact us.

Durability Torque: 1-HM6 & 1-HM3 Series 20 lbs.-in. 1-HM4 & 2-HM5 Series 15 lbs.-in.

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

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. AVAILABLE MILL OR SPECIAL ORDER.

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

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.
CT-275	2.68 - 2.87	68 - 73	220
CT-300	2.87 - 3.11	73 - 79	220
CT-325	3.11 - 3.35	79 - 85	220
CT-350	3.35 - 3.58	85 - 91	220
CT-375	3.58 - 3.82	91 - 97	220
CT-400	3.82 - 4.09	97 - 104	220
CT-425	4.09 - 4.41	104 - 112	220
CT-450	4.41 - 4.76	112 - 121	220
CT-500	4.76 - 5.12	121 - 130	220

We recommend usage at 75% of the maximum value



CT-400



CT-275

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