Bandtite®

HOSE CLAMPS






CATALOG

V.2025

COMPANY PROFILE

Established in 2012 and headquartered in Wenzhou City, China, Bandtite is a dedicated manufacturer specializing in high-quality Stainless Steel Fastening Solutions. We provide a comprehensive portfolio of durable and reliable products, including Stainless Steel Banding, Banding Buckles, Hose Clamps, and Stainless Steel Cable Ties.

Our core focus is to serve markets in Europe and Latin America, understanding the critical need for robust and long-lasting fastening solutions in these regions. Bandtite is committed to delivering products that meet stringent quality standards, evidenced by our CE and RoHS certifications.

Our key offerings encompass a wide array of stainless steel fastening products designed to provide secure and dependable performance in various applications. From heavy-duty banding for industrial use to precise hose clamps and versatile cable ties, our products are engineered for durability and resistance to demanding environmental conditions.

Bandtite strives to be a trusted partner, providing reliable stainless steel fastening solutions that meet the diverse needs of our customers in Europe and Latin America. We are committed to quality and compliance, ensuring our products meet international standards. Visit us online at www.bandtite.com to learn more about how Bandtite can support your fastening requirements.


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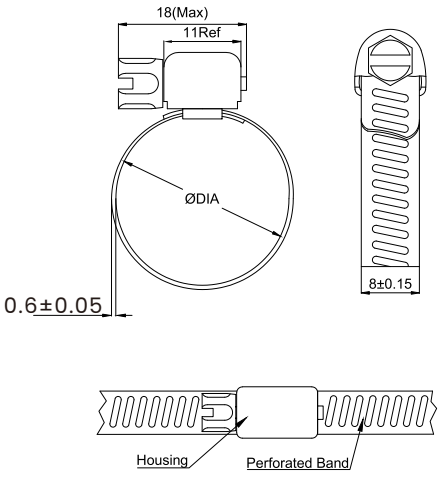
1. Description

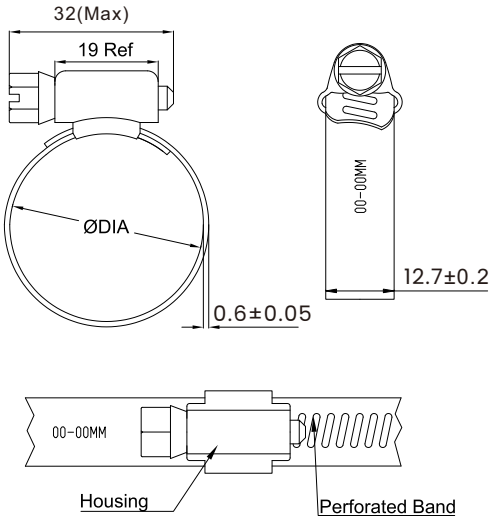
- **American Type Hose Clamps,** also commonly known as worm gear clamps or worm drive clamps, are a widely used fastening solution designed to secure hoses onto fittings, preventing leakage of fluids or gases. They consist of a circular band, typically made of stainless steel or carbon steel, with a series of rectangular perforations (slots). A worm gear mechanism, housed in a small casing and operated by a screw, engages with these perforations. As the screw is tightened, it pulls the band, causing the clamp to constrict around the hose, providing a tight and reliable seal. These clamps are popular due to their versatility, ease of use, and effectiveness in a broad range of applications, including automotive, plumbing, industrial,

2. Key Features

- **Worm Gear Mechanism:** Allows for smooth, gradual, and precise tightening, ensuring optimal clamping force without damaging the hose.
- **Perforated Band:** The clean punched rectangular perforations in the band provide a strong grip and secure engagement with the screw's threads.
- **Adjustable Diameter:** Can be easily adjusted to fit a wide range of hose diameters.
- **Ease of Installation:** Can be installed and tightened using common tools like a screwdriver (flathead or hex) or a nut driver. Some versions come with a thumb screw or handle for tool-free operation.
- **Reusable:** Can often be loosened and retightened multiple times if needed.
- **Good Sealing Pressure:** Provides a consistent and reliable seal around the hose.
- **Versatility:** Suitable for various types of hoses (rubber, silicone, plastic) and applications.
- **Rounded Band Edges (often):** Helps prevent the clamp from cutting into or damaging the hose material during tightening and use.
- **Cost-Effective:** Generally an economical solution for hose securement.
- **Vibration Resistance:** Offers good resistance to loosening under vibration in many applications.

3. Specifications





Code	SAE	Band Width (mm)	Thickness (mm)	Clamping Range		Material
				inch	mm	
AH12	-	8	0.6	1/2	8-12	W1/W2/W4/W5
AH16	04	8	0.6	5/8	10-16	W1/W2/W4/W5
AH19	05	8	0.6	3/4	13-19	W1/W2/W4/W5
AH23	06	8	0.6	7/8	13-23	W1/W2/W4/W5
AH25	08	8	0.6	1	16-25	W1/W2/W4/W5
AH27	10	12.7	0.6	1-1/16	14-27	W1/W2/W4/W5
AH32	12	12.7	0.6	1-1/4	18-32	W1/W2/W4/W5
AH38	16	12.7	0.6	1-1/2	21-38	W1/W2/W4/W5
AH44	20	12.7	0.6	1-3/4	21-44	W1/W2/W4/W5
AH51	24	12.7	0.6	2	27-51	W1/W2/W4/W5
AH57	28	12.7	0.6	2-1/4	33-57	W1/W2/W4/W5
AH64	32	12.7	0.6	2-1/2	40-64	W1/W2/W4/W5
AH70	36	12.7	0.6	2-3/4	46-70	W1/W2/W4/W5
AH76	40	12.7	0.6	3	52-76	W1/W2/W4/W5
AH83	44	12.7	0.6	3-1/4	59-83	W1/W2/W4/W5
AH89	48	12.7	0.6	3-1/2	65-89	W1/W2/W4/W5
AH95	52	12.7	0.6	3-3/4	72-95	W1/W2/W4/W5
AH101	56	12.7	0.6	4	78-101	W1/W2/W4/W5
AH108	60	12.7	0.6	4-1/4	84-108	W1/W2/W4/W5
AH114	64	12.7	0.6	4-1/2	91-114	W1/W2/W4/W5
AH127	72	12.7	0.6	5	105-127	W1/W2/W4/W5
AH140	80	12.7	0.6	5-1/2	117-140	W1/W2/W4/W5
AH153	88	12.7	0.6	6	130-153	W1/W2/W4/W5
AH165	96	12.7	0.6	6-1/2	142-165	W1/W2/W4/W5
AH178	104	12.7	0.6	7	155-178	W1/W2/W4/W5

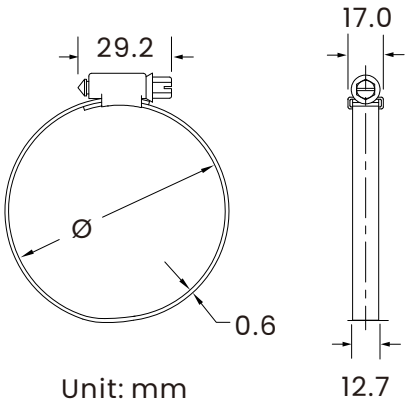
1. Description

High Torque Hose Clamps are heavy-duty fastening devices engineered to provide exceptionally high clamping force and a reliable, secure seal for demanding applications. These clamps typically feature a robust worm-drive mechanism with a specially designed housing and a high-tensile band, often with a straight-line housing that ensures full screw engagement with the band. They are designed to outperform standard worm-drive clamps, particularly in situations involving high pressures, tough or wire-reinforced hoses, and applications where an extra margin of safety and reliability is critical. Their construction allows for uniform tightening and higher sealing pressures compared to conventional nut and bolt type clamps.

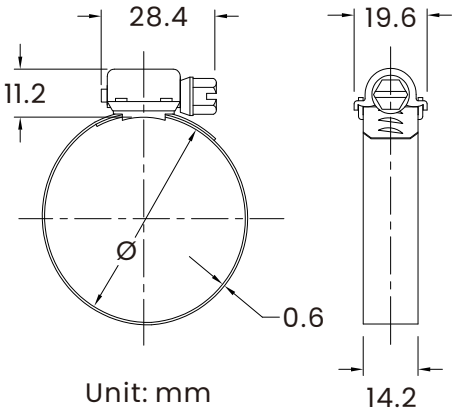
2. Key Features

- **High Clamping Force:** Engineered to deliver significantly higher sealing pressure and band tension than standard worm-drive clamps.
- **Heavy-Duty Construction:** Features a robust band, often thicker and wider, and a strong screw and housing mechanism designed to withstand high tightening torques.
- **Straight-Line Housing (Common Feature):** This design ensures that every thread of the screw is fully engaged with the band, maximizing strength and torque transmission.
- **Uniform Tightening:** Provides more even pressure distribution around the hose circumference compared to some other heavy-duty clamp types.
- **Durability and Reliability:** Built for demanding environments and applications requiring long-term, secure connections.
- **Vibration Resistance:** The high clamping force and robust design contribute to excellent resistance against loosening due to vibration.
- **Suitable for Tough Hoses:** Specifically designed for use with wire-reinforced, thick-walled, or less pliable hoses that require higher clamping forces to seal effectively.
- **Corrosion Resistance:** Commonly available in various grades of stainless steel for excellent protection against corrosion in harsh environments.
- **Larger Adjustment Range (Often):** Compared to some nut and bolt clamps, they can offer a wider adjustment range per size, potentially reducing inventory needs.
- **No Loose Parts:** Typically a one-piece assembly (band, housing, screw), which simplifies installation and prevents loss of components.

3. Specifications



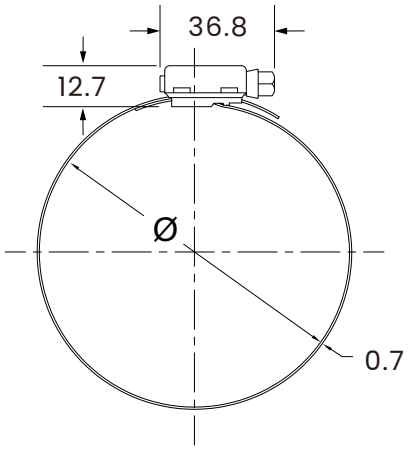
Unit: mm



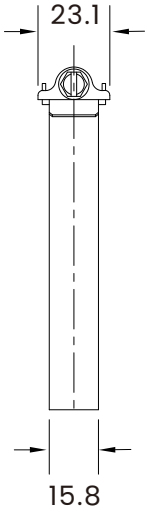
Unit: mm

Code		Inch(Ø)		mm(Ø)	
12.7mm	14.2mm	min	max	min	max
HTA25	HTB25	7/16	1	11	25
HTA27	HTB27	9/16	1-1/16	14	27
HTA32	HTB32	11/16	1-1/4	17	32
HTA38	HTB38	13/16	1-1/2	21	38
HTA44	HTB44	13/16	1-3/4	21	44
HTA51	HTB51	1-1/16	2	27	51
HTA57	HTB57	1-5/16	2-1/4	33	57
HTA63	HTB63	1-9/16	2-1/2	40	63
HTA70	HTB70	1-13/16	2-3/4	46	70
HTA76	HTB76	2-1/16	3	52	76
HTA82	HTB82	2-5/16	3-1/4	59	82
HTA89	HTB89	2-9/16	3-1/2	65	89
HTA95	HTB95	2-13/16	3-3/4	72	95
HTA101	HTB101	3-1/16	4	78	101
HTA108	HTB108	3-5/16	4-1/4	84	108
HTA114	HTB114	3-9/16	4-1/2	91	114
HTA127	HTB127	4-1/8	5	105	127
HTA140	HTB140	4-5/8	5-1/2	118	140
HTA152	HTB152	5-1/8	6	130	152
HTA165	HTB165	5-5/8	6-1/2	143	165
HTA178	HTB178	6-1/8	7	155	178
HTA254	HTB254	5-5/8	8-1/2	181	254
HTA311	HTB311	9-3/8	12-1/4	238	311

4. Specifications



Units: mm



Hi-Torque

Hi-Torque with Liner

Code	Inch(Ø)		mm(Ø)	
	min	max	min	max
HTC44	1	1-3/4	25	44
HTC54	1-1/4	2-1/8	32	54
HTC67	1-3/4	2-5/8	45	67
HTC79	2-1/4	3-1/8	57	79
HTC92	2-3/4	3-5/8	70	92
HTC105	3-1/4	4-1/8	83	105
HTC117	3-3/4	4-5/8	95	117
HTC130	4-1/4	5-1/8	108	130
HTC143	4-3/4	5-5/8	121	143
HTC156	5-1/4	6-1/8	133	156
HTC168	5-3/4	6-5/8	146	168
HTC181	6-1/4	7-1/8	159	181
HTC194	6-3/4	7-5/8	172	194
HTC206	7-1/4	8-1/8	184	206
HTC219	7-3/4	8-5/8	197	219
HTC232	8-1/4	9-1/8	210	232

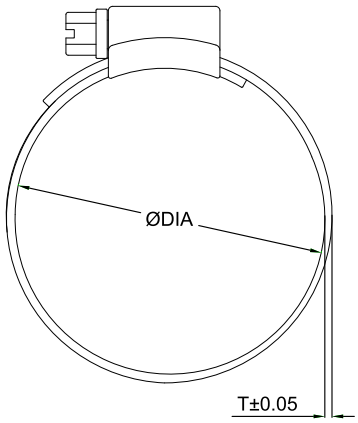
1. Description

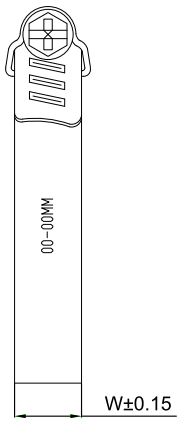
British Type Hose Clamps, often referred to as Jubilee Clips (a common brand name that has become genericized in the UK), are a type of worm drive hose clamp designed for securing hoses to fittings. They are widely recognized and used, particularly in the UK and European markets. These clamps typically feature a band with a worm gear mechanism fixed to one end. The screw engages with threads pressed or formed into the band (often a non-perforated band, unlike the slotted American type). As the screw is tightened, the band constricts around the hose, providing a secure and leak-proof seal. British type clamps are known for their robust construction, high clamping force, and reliability in various applications, including automotive, industrial, agricultural, marine, and general plumbing. They are often designed to meet specifications like BS 5315.

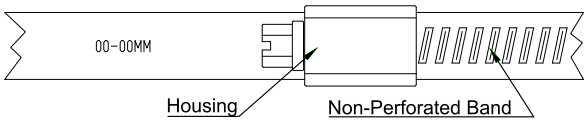
2. Key Features

- **Worm Drive Mechanism:** Provides controlled and effective tightening for a secure seal.
- **Non-Perforated Band:** Many British type clamps feature a solid (non-perforated or "unslotted") band with rolled edges. This design is intended to provide a smoother contact surface with the hose, reducing the risk of damage or cutting into softer hose materials, and can offer a more uniform pressure distribution. Some variations might have pressed threads rather than perforations.
- **Robust Housing:** The housing for the screw mechanism is typically designed for strength and durability, often welded or riveted to the band.
- **High Clamping Force and Torque:** Engineered to achieve high clamping forces and withstand significant tightening torque, ensuring a reliable and durable connection.
- **Rounded Band Edges:** Helps to protect the hose from damage during installation and use.
- **Conformity to Standards:** Often manufactured in accordance with British Standard BS 5315, which specifies dimensions, materials, and performance requirements.
- **Versatility:** Suitable for a wide range of hose materials and applications, from general purpose to more demanding industrial uses.
- **Good Corrosion Resistance:** Available in various materials, including stainless steel grades, offering good to excellent corrosion resistance depending on the material chosen.
- **Reusable:** Can generally be loosened and retightened multiple times.
- **Simple Housing Structure:** Often a three-component design (band, housing, screw) that is robust and effective.

3. Specifications







Code	Band Width (mm)	Thickness (mm)	Clamping Range		Material
			inch	mm	
BH12	9.7	0.8	3/8~1/2	9.5-12	W1/W2/W4/W5
BH16	9.7	0.8	7/16~5/8	11-16	W1/W2/W4/W5
BH19	9.7	0.8	1/2~3/4	13-19	W1/W2/W4/W5
BH23	9.7	0.8	5/8~7/8	16-23	W1/W2/W4/W5
BH25	9.7	0.8	3/4~1	19-25	W1/W2/W4/W5
BH29	11.7	0.9	7/8~1-1/8	22-29	W1/W2/W4/W5
BH32	11.7	0.9	7/8~1-1/4	22-32	W1/W2/W4/W5
BH40	11.7	0.9	1~1-1/2	25-40	W1/W2/W4/W5
BH44	11.7	0.9	1-1/4~1-3/4	32-44	W1/W2/W4/W5
BH51	11.7	0.9	1-3/8~2	35-51	W1/W2/W4/W5
BH60	11.7	0.9	1-3/4~2-3/8	44-60	W1/W2/W4/W5
BH70	11.7	0.9	2-3/16~2-3/4	55-70	W1/W2/W4/W5
BH80	11.7	0.9	2-3/8~3-1/8	60-80	W1/W2/W4/W5
BH90	11.7	0.9	2-3/4~3-9/16	70-90	W1/W2/W4/W5
BH100	11.7	0.9	3-3/8~3-15/16	85-100	W1/W2/W4/W5
BH110	11.7	0.9	3-9/16~4-5/16	90-110	W1/W2/W4/W5
BH120	11.7	0.9	3-15/16~4-3/4	100-120	W1/W2/W4/W5
BH130	11.7	0.9	4-5/16~5-1/8	110-130	W1/W2/W4/W5
BH140	11.7	0.9	4-3/4~5-1/2	120-140	W1/W2/W4/W5
BH150	11.7	0.9	5-1/8~5-15/16	130-150	W1/W2/W4/W5
BH165	11.7	0.9	5-5/16~6-1/2	135-165	W1/W2/W4/W5

Please contact sales for customizing any other specific sizes.

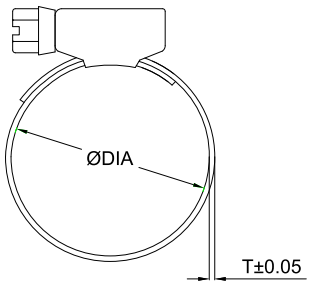
1. Description

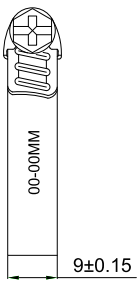
German Type Hose Clamps are a robust and widely used style of worm drive clamp, engineered for providing a secure and leak-proof connection between a hose and a fitting. Characterized by their precision engineering, these clamps typically feature a non-perforated (solid) band with embossed or pressed threads (sometimes described as "wolf teeth" for their appearance and grip) on the outer surface. This design offers a smooth inner surface to protect the hose from damage during tightening and use. The worm gear mechanism, with a captive screw, engages these external threads, allowing for high clamping forces and a reliable seal. German type clamps are known for their durability, high torque capabilities, and suitability for a broad range of applications, including automotive (fuel lines, coolant hoses, air intake systems), industrial machinery, agriculture, plumbing, and marine environments. They are often manufactured in accordance with DIN 3017.

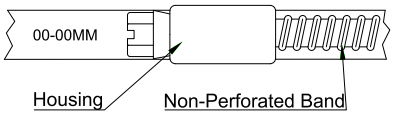
2. Key Features

- **Worm Drive Mechanism:** Provides strong, reliable, and precise tightening.
- **Non-Perforated Band (Typically):** The band is usually solid (unslotted) with threads embossed or pressed on the outside. This provides a smooth inner surface that is gentle on the hose, reducing the risk of extrusion, shearing, or damage, especially with softer hose materials.
- **Rolled Band Edges:** Smooth, rounded edges on the band further protect the hose from abrasion and cutting.
- **High Clamping Force and Torque:** Engineered to achieve higher tightening torques and provide a strong, consistent clamping force compared to some other clamp types.
- **Durable Housing:** The screw housing is securely attached to the band (often through welding or a robust mechanical interlock) to withstand high tightening forces.
- **Vibration Resistance:** Offers good resistance to loosening under conditions of vibration.
- **Corrosion Resistance:** Available in various materials, including different grades of stainless steel, providing excellent resistance to corrosion in harsh environments.
- **Conformity to Standards:** Often manufactured in compliance with DIN 3017, a German standard that specifies dimensions, materials, and performance characteristics for hose clamps.
- **Wide Range of Applications:** Suitable for demanding applications in automotive, industrial, marine, and agricultural sectors.
- **Material and Clamping Range Stamped on Band:** Often, key information like material grade and the clamp's diameter range are stamped directly onto the band for easy identification.
- **"Wolf Teeth" Design:** The embossed threads on the band are sometimes referred to as "wolf teeth," designed to reduce clamping chafing and improve grip.

3. Specifications







Code	Width (mm)	Thickness (mm)	Diameter Range		Material
			mm	inch	
GHA12	9.0	0.7	8-12	5-16~1/2	W1/W2/W4
GHA16	9.0	0.7	10-16	6/15~5/8	W1/W2/W4
GHA20	9.0	0.7	12-20	1/2~25/32	W1/W2/W4
GHA25	9.0	0.7	16-25	5/8~1	W1/W2/W4
GHA27	9.0	0.7	16-27	5/8~1-1/16	W1/W2/W4
GHA32	9.0	0.7	20-32	25/32~1-1/4	W1/W2/W4
GHA40	9.0	0.7	25-40	1~1-1/2	W1/W2/W4
GHA50	9.0	0.7	32-50	1-1/4~2	W1/W2/W4
GHA60	9.0	0.7	40-60	1-9/16~2-3/8	W1/W2/W4
GHA70	9.0	0.7	50-70	2~2-3/4	W1/W2/W4
GHA80	9.0	0.7	60-80	2-3/8~3-1/8	W1/W2/W4
GHA90	9.0	0.7	70-90	2-3/4~3-9/16	W1/W2/W4
GHA100	9.0	0.7	80-100	3-1/8~3-15/16	W1/W2/W4
GHA110	9.0	0.7	90-110	3-9/16~4-5/16	W1/W2/W4
GHA120	9.0	0.7	100-120	3-15/16~4-3/4	W1/W2/W4
GHA130	9.0	0.7	110-130	4-5/16~5-1/18	W1/W2/W4
GHA140	9.0	0.7	120-140	4-3/4~5-1/2	W1/W2/W4
GHA150	9.0	0.7	130-150	5-1/8~5-15/16	W1/W2/W4
GHA160	9.0	0.7	140-160	5-1/2~6-5/16	W1/W2/W4
GHA170	9.0	0.7	150-170	5-15/16~6-11/16	W1/W2/W4
GHA180	9.0	0.7	160-180	6-5/16~7/1/8	W1/W2/W4
GHA190	9.0	0.7	170-190	6-11/16~7-1/2	W1/W2/W4
GHA200	9.0	0.7	180-200	7-1/8~8	W1/W2/W4

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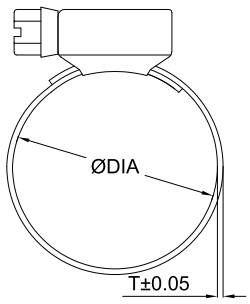
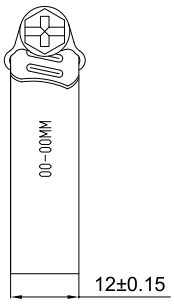
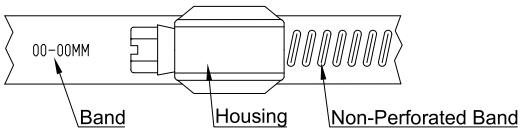
4. Specifications







Code	Width (mm)	Thickness (mm)	Diameter Range		Material
			mm	inch	
GHB20	12.0	0.7	12-20	1/2~25/32	W1/W2/W4
GHB25	12.0	0.7	16-25	5/8~1	W1/W2/W4
GHB27	12.0	0.7	16-27	5/8~1-1/16	W1/W2/W4
GHB32	12.0	0.7	20-32	25/32~1-1/4	W1/W2/W4
GHB40	12.0	0.7	25-40	1~1-1/2	W1/W2/W4
GHB50	12.0	0.7	32-50	1-1/4~2	W1/W2/W4
GHB60	12.0	0.7	40-60	1-9/16~2-3/8	W1/W2/W4
GHB70	12.0	0.7	50-70	2~2-3/4	W1/W2/W4
GHB80	12.0	0.7	60-80	2-3/8~3-1/8	W1/W2/W4
GHB90	12.0	0.7	70-90	2-3/4~3-9/16	W1/W2/W4
GHB100	12.0	0.7	80-100	3-1/8~3-15/16	W1/W2/W4
GHB110	12.0	0.7	90-110	3-9/16~4-5/16	W1/W2/W4
GHB120	12.0	0.7	100-120	3-15/16~4-3/4	W1/W2/W4
GHB130	12.0	0.7	110-130	4-5/16~5-1/8	W1/W2/W4
GHB140	12.0	0.7	120-140	4-3/4~5-1/2	W1/W2/W4
GHB150	12.0	0.7	130-150	5-1/8~5-15/16	W1/W2/W4
GHB160	12.0	0.7	140-160	5-1/2~6-5/16	W1/W2/W4
GHB170	12.0	0.7	150-170	5-15/16~6-11/16	W1/W2/W4
GHB180	12.0	0.7	160-180	6-5/16~7/1/8	W1/W2/W4
GHB190	12.0	0.7	170-190	6-11/16~7-1/2	W1/W2/W4
GHB200	12.0	0.7	180-200	7-1/8~8	W1/W2/W4
GHB210	12.0	0.7	190-210	7-1/2~8-1/4	W1/W2/W4
GHB220	12.0	0.7	200-220	7-1/8~8-2/3	W1/W2/W4
GHB230	12.0	0.7	210-230	8-1/4~9-1/8	W1/W2/W4

Please contact sales for customizing any other specific sizes.

1. Description

Double Wire Hose Clamps are a type of fastener designed to secure a hose over a fitting or spigot, preventing leakage. They consist of two parallel wire strands formed into a circular shape, which are then tightened by a screw and nut mechanism (or sometimes a spring action for self-adjusting types). The double wire design aims to distribute the clamping force more evenly around the circumference of the hose compared to a single band clamp, particularly on softer or more pliable hoses. These clamps are often chosen for their cost-effectiveness and ease of installation, especially in applications where very high clamping forces are not the primary requirement but a secure, reliable seal is still needed. They are commonly used in automotive, plumbing, agricultural, industrial, and household applications.

2. Key Features

- **Double Wire Construction:** Two parallel wires provide a clamping surface, which can be beneficial for even pressure distribution, especially on flexible or corrugated hoses.
- **Screw and Nut Tightening Mechanism:** Most common types use a screw (often with a hex head or slot) and a nut (sometimes captive) to draw the wires together and tighten the clamp.
- **Adjustable Diameter:** The screw mechanism allows for adjustment to fit a range of hose diameters.
- **Cost-Effective:** Generally a more economical option compared to some heavy-duty band clamps.
- **Ease of Installation:** Can be installed and tightened using common hand tools like a screwdriver or wrench.
- **Good for Flexible Hoses:** The design can be particularly effective on softer or spiral/corrugated hoses as the wires can settle into the grooves, providing a good grip.
- **Light to Medium Duty Applications:** Best suited for low to moderate pressure applications where extreme clamping force is not required.
- **Spring Action Variants:** Some double wire clamps are spring-type (self-tightening), designed to maintain constant tension and adapt to thermal expansion and contraction of the hose.
- **Aesthetic Appeal (in some applications):** Can be preferred where a less industrial look is desired.

DOUBLE WIRE HOSE CLAMPS

Code (W1)	Diameter (mm)	Wire Dia. (mm)	Screw (mm)
DWA1114	11-14	1.5	M5×30
DWA1316	13-16	1.5	M5×30
DWA1518	15-18	1.5	M5×30
DWA1720	17-20	1.8	M5×30
DWA1922	19-22	1.8	M5×30
DWA2024	20-24	1.8	M5×30
DWA2226	22-26	1.8	M5×30
DWA2428	24-28	1.8	M5×30
DWA2630	26-30	2.2	M6×40
DWA2832	28-32	2.2	M6×40
DWA3135	31-35	2.2	M6×40
DWA3438	34-38	2.2	M6×40
DWA3540	35-40	2.2	M6×40
DWA3742	37-42	2.2	M6×40
DWA4045	40-45	2.2	M6×40
DWA4348	43-48	2.2	M6×50
DWA4550	45-50	2.2	M6×50
DWA4752	47-52	2.2	M6×50
DWA5055	50-55	2.2	M6×50
DWA5358	53-58	2.2	M6×50
DWA5560	55-60	2.2	M6×60
DWA5462	54-62	2.2	M6×60
DWA6065	60-65	2.5	M6×60
DWA6368	63-68	2.5	M6×60
DWA6570	65-70	2.5	M6×70
DWA7075	70-75	2.5	M6×70
DWA7580	75-80	2.5	M6×70
DWA8085	80-85	2.5	M6×70
DWA8490	84-90	2.5	M8×70
DWA8995	89-95	2.5	M8×70
DWA94100	94-100	2.5	M8×80
DWA98105	98-105	2.5	M8×80
DWA103110	103-110	2.5	M8×80
DWA108115	108-115	2.5	M8×80
DWA113120	113-120	2.5	M8×80

Code (W4)	Diameter (mm)	Wire Dia. (mm)	Screw (mm)
DWB1114	11-14	2.0	M6×30
DWB1316	13-16	2.0	M6×30
DWB1518	15-18	2.0	M6×30
DWB1720	17-20	2.0	M6×30
DWB1922	19-22	2.0	M6×30
DWB2024	20-24	2.0	M6×30
DWB2226	22-26	2.0	M6×30
DWB2428	24-28	2.0	M6×35
DWB2630	26-30	2.0	M6×35
DWB2832	28-32	2.0	M6×40
DWB3135	31-35	2.0	M6×40
DWB3438	34-38	2.0	M6×40
DWB3540	35-40	2.0	M6×40
DWB3742	37-42	2.0	M6×40
DWB4045	40-45	2.0	M6×40
DWB4348	43-48	2.0	M6×40
DWB4550	45-50	2.3	M6×40
DWB4752	47-52	2.3	M6×50
DWB5055	50-55	2.3	M6×50
DWB5358	53-58	2.3	M6×50
DWB5560	55-60	2.3	M6×50
DWB5462	54-62	2.3	M6×50
DWB6065	60-65	2.3	M6×50
DWB6368	63-68	2.3	M6×50
DWB6570	65-70	2.3	M6×50
DWB7075	70-75	2.3	M6×50
DWB7580	75-80	2.3	M6×50
DWB8085	80-85	2.3	M6×50
DWB8490	84-90	2.3	M6×50
DWB8995	89-95	2.3	M6×50
DWB94100	94-100	2.3	M6×50
DWB98105	98-105	2.3	M6×60
DWB103110	103-110	2.3	M6×60
DWB108115	108-115	2.3	M6×60
DWB113120	113-120	2.3	M6×60

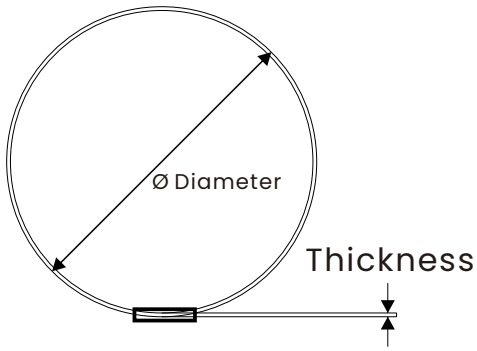
1. Description

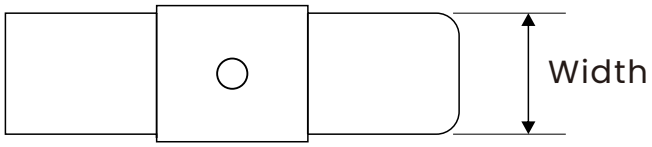
Center Punch Hose Clamps, also known as punch-lock clamps or preformed band clamps, are a type of hose fastener used to secure hoses onto fittings, particularly in applications where a permanent, tamper-resistant, and low-profile connection is desired. These clamps consist of a pre-formed band of metal with a buckle. Installation involves wrapping the band around the hose and fitting, tensioning it with a specific tool, and then deforming the buckle (or "bridge") by striking a raised point on it with a punch (often integrated into the installation tool) and a hammer, or by using a specialized center punch tool. This action creates a mechanical lock that secures the clamp. They are often used for low to medium pressure applications and are valued for their strong holding power once properly installed.

2. Key Features

- **Permanent, Tamper-Resistant Connection:** Once locked, the clamp is not easily removable without destroying it, providing a secure and tamper-evident seal.
- **Low Profile Design:** Offers a smooth, relatively flat profile compared to screw-type clamps, which is beneficial in tight spaces or where snagging is a concern.
- **Bolt-Free Design:** No screws or nuts are used for tightening, relying on the mechanical deformation of the buckle.
- **Strong Holding Power:** When correctly installed, these clamps provide excellent radial compression and holding strength.
- **Double Wrapped (Often):** Many center punch clamps are double-wrapped for added strength and sealing capability.
- **Pre-formed Sizes:** Available in specific inside diameters to match hose and fitting combinations.
- **Quick Installation (with proper tools):** Can be applied rapidly in production or field settings using dedicated manual or pneumatic tools.
- **Smooth Inside Diameter (on some designs):** Some designs aim for a smooth inner surface to minimize leak paths and hose damage.

3. Specifications





Code	Width		Thickness		Diameter		Weight		Pack Qty.
	inch	mm	inch	mm	inch	mm	lbs	kg	
CP020	3/8	9.5	0.024	0.60	13/16	20	3.6	1.6	100/BOX
CP035	3/8	9.5	0.024	0.60	1-3/8	35	4.6	2.1	100/BOX
CP025	5/8	16.0	0.024	0.60	1	25	8.3	3.8	100/BOX
CP032	5/8	16.0	0.024	0.60	1-1/4	32	8.7	4.0	100/BOX
CP038	5/8	16.0	0.024	0.60	1-1/2	38	9.7	4.4	100/BOX
CP044	5/8	16.0	0.024	0.60	1-3/4	44	10.6	4.8	100/BOX
CP051	5/8	16.0	0.024	0.60	2	51	11.5	5.2	100/BOX
CP057	5/8	16.0	0.024	0.60	2-1/4	57	12.6	5.7	100/BOX
CP064	5/8	16.0	0.024	0.60	2-1/2	64	6.8	3.1	50/BOX
CP070	5/8	16.0	0.024	0.60	2-3/4	70	7.3	3.3	50/BOX
CP076	5/8	16.0	0.024	0.60	3	76	7.7	3.5	50/BOX
CP089	5/8	16.0	0.024	0.60	3-1/2	89	8.7	4.0	50/BOX
CP102	5/8	16.0	0.024	0.60	4	102	4.9	2.2	25/BOX
CP114	5/8	16.0	0.024	0.60	4-1/2	114	5.5	2.5	25/BOX
CP127	5/8	16.0	0.024	0.60	5	127	5.9	2.7	25/BOX
CP152	5/8	16.0	0.024	0.60	6	152	6.8	3.1	25/BOX
CP165	5/8	16.0	0.024	0.60	6-1/2	165	7.1	3.3	25/BOX
CP178	5/8	16.0	0.024	0.60	7	178	7.4	3.4	25/BOX
CP203	5/8	16.0	0.024	0.60	8	203	8.2	3.7	25/BOX

Please contact sales for more information about other sizes.

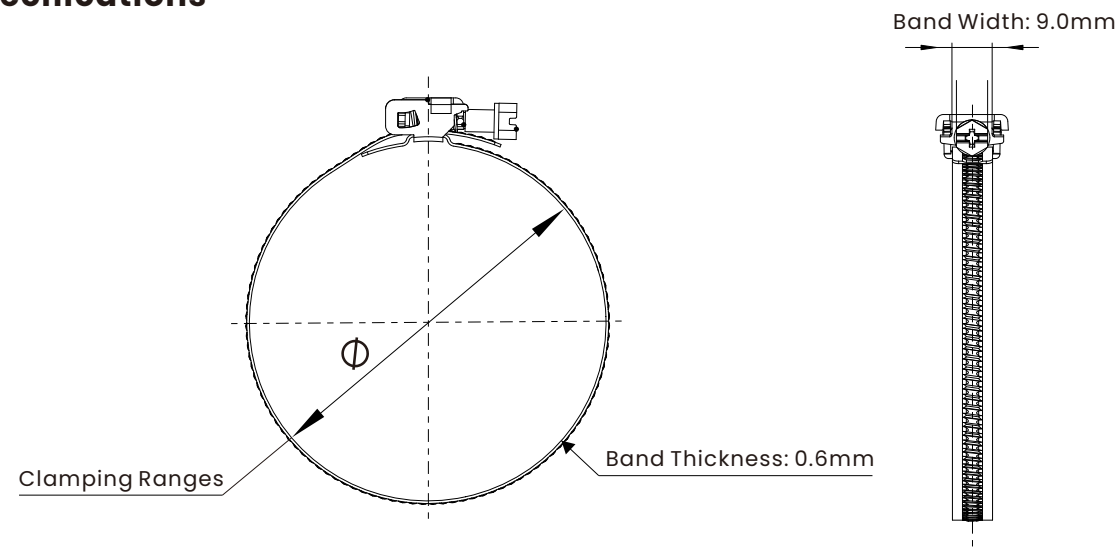
1. Description

Quick Lock Hose Clamps are designed for efficient and rapid securing of hoses, particularly those with larger diameters. These clamps feature a specialized housing mechanism that allows the band to be quickly opened and adjusted to the approximate required diameter before final tensioning. Once the quick-lock mechanism is engaged, the clamp is then tightened using a conventional worm drive screw, ensuring a secure and reliable seal. The band is often perforated or features a continuous thread pattern, and is typically designed with smooth edges to prevent damage to the hose surface during installation and use. This type of clamp is ideal for applications where speed of assembly is important, or where clamps need to be frequently opened and closed.

2. Key Features

- **Rapid Installation and Removal:** The quick-lock housing allows for fast adjustment and disengagement of the band, significantly reducing assembly and disassembly time.
- **Wide Clamping Range:** A single clamp can often accommodate a broad range of hose diameters, offering flexibility and potentially reducing inventory needs.
- **Secure Sealing:** Once the quick-lock is engaged, the worm drive screw provides strong and reliable tightening for a secure seal.
- **Hose Protection:** Bands are typically designed with smooth or rolled edges to minimize abrasion and damage to the hose material.
- **Flexibility:** Suitable for a variety of hose materials and applications, especially effective on large diameter hoses.
- **Ease of Use:** The quick-lock feature simplifies the process of fitting the clamp, especially in restricted or hard-to-reach areas.
- **Reusable:** Designed to be opened and re-tightened multiple times while maintaining performance.

3. Specifications

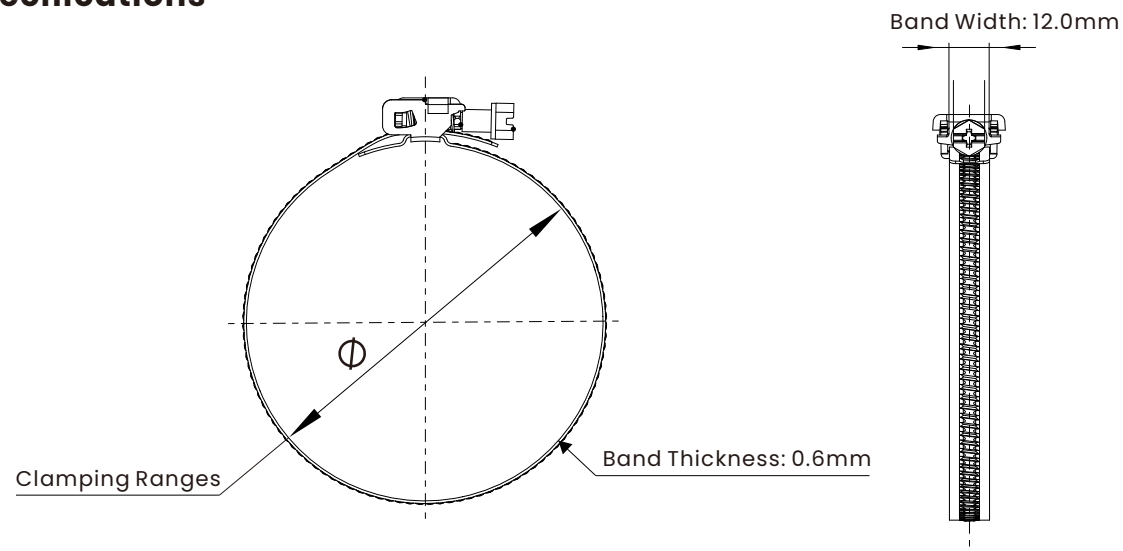


Band Width:9.0mm Band Thickness: 0.6mm

Code	Clamping Ranges		Code	Clamping Ranges	
	mm	inch		mm	inch
QLA40	25-40	1 - 1 9/16	QLA175	60-175	2 3/8 - 6 7/8
QLA45	25-45	1 - 1 3/4	QLA215	60-215	2 3/8 - 8 7/16
QLA50	32-50	1 1/4 - 2	QLA270	60-270	2 3/8 - 10 5/8
QLA60	40-60	1 9/16 - 2 3/8	QLA280	60-280	2 3/8 - 11
QLA70	50-70	2 - 2 3/4	QLA290	60-290	2 3/8 - 11 7/16
QLA80	60-80	2 3/8 - 3 1/8	QLA325	60-325	2 3/8 - 12 13/16
QLA90	60-90	2 3/8 - 3 9/16	QLA370	60-370	2 3/8 - 14 9/16
QLA100	60-100	2 3/8 - 3 15/16	QLA380	60-380	2 3/8 - 14 15/16
QLA110	60-110	2 3/8 - 4 5/16	QLA425	60-425	2 3/8 - 16 3/4
QLA125	60-125	2 3/8 - 4 15/16	QLA525	60-525	2 3/8 - 20 11/16
QLA35	60-135	2 3/8 - 5 5/16	QLA630	60-630	2 3/8 - 24 13/16
QLA145	60-145	2 3/8 - 5 11/16	QLA660	60-660	2 3/8 - 26
QLA165	60-165	2 3/8 - 6 1/2	QLA1050	60-1050	2 3/8 - 41 5/16
QLA170	60-170	2 3/8 - 6 11/16	QLA1300	60-1300	2 3/8 - 51 3/16

Please contact sales for customizing any other specific sizes.

4. Specifications

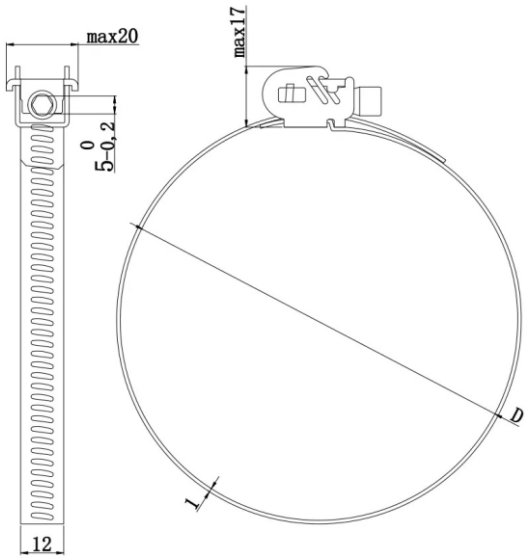


Band Width:12.0mm Band Thickness: 0.6mm

Code	Clamping Ranges		Code	Clamping Ranges	
	mm	inch		mm	inch
QLB70	50-70	2 - 2 3/4	QLB270	60-270	2 3/8 - 10 5/8
QLB80	60-80	2 3/8 - 3 1/8	QLB280	60-280	2 3/8 - 11
QLB90	60-90	2 3/8 - 3 9/16	QLB290	60-290	2 3/8 - 11 7/16
QLB100	60-100	2 3/8 - 3 15/16	QLB325	60-325	2 3/8 - 12 13/16
QLB110	60-110	2 3/8 - 4 5/16	QLB370	60-370	2 3/8 - 14 9/16
QLB125	60-125	2 3/8 - 4 15/16	QLB380	60-380	2 3/8 - 14 15/16
QLB35	60-135	2 3/8 - 5 5/16	QLB425	60-425	2 3/8 - 16 3/4
QLB145	60-145	2 3/8 - 5 11/16	QLB525	60-525	2 3/8 - 20 11/16
QLB165	60-165	2 3/8 - 6 1/2	QLB630	60-630	2 3/8 - 24 13/16
QLB170	60-170	2 3/8 - 6 11/16	QLB660	60-660	2 3/8 - 26
QLB175	60-175	2 3/8 - 6 7/8	QLB1050	60-1050	2 3/8 - 41 5/16
QLB215	60-215	2 3/8 - 8 7/16	QLB1300	60-1300	2 3/8 - 51 3/16

Please contact sales for customizing any other specific sizes.

5. Specifications



Band Width:12.0mm
Band Thickness: 0.8mm

Code	Max Bundle Diameter	
	mm	inch
QLC70	70	2.8
QLC80	80	3.1
QLC90	90	3.5
QLC100	100	4.0
QLC130	120	4.7
QLC150	150	5.9
QLC180	180	7.1
QLC200	200	7.9
QLC250	250	9.8
QLC300	300	11.8
QLC350	350	13.8
QLC400	400	15.7

Band Width:18.0mm
Band Thickness: 1.0mm

Code	Max Bundle Diameter	
	mm	inch
QLD80	80	3.1
QLD90	90	3.5
QLD100	100	4.0
QLD130	120	4.7
QLD150	150	5.9
QLD180	180	7.1
QLD200	200	7.9
QLD250	250	9.8
QLD300	300	11.8
QLD350	350	13.8
QLD400	400	15.7
QLD400	500	19.7

Please contact sales for customizing any other specific sizes.

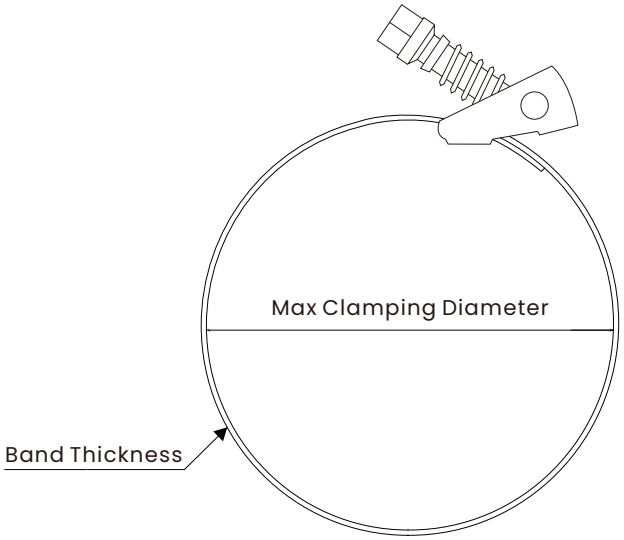
1. Description

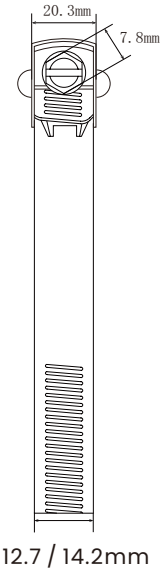
Quick Release Hose Clamps are a specialized type of worm gear hose clamp designed for applications requiring frequent, fast, and easy installation or removal of hoses without the need for complete disassembly of the clamp. They feature a standard worm drive mechanism (screw and housing) for final tightening, but incorporate an additional quick-release mechanism. This typically involves a pivoting or tilting screw housing, a hinged bridge, or a latch system that allows the band to be quickly opened and disengaged, or rapidly adjusted to a wide range of diameters. Once the approximate size is set and the quick-release mechanism is engaged, the clamp is then secured by tightening the worm screw in the conventional manner. These clamps are ideal for situations where hose sizes might vary, or where hoses need to be regularly connected and disconnected.

2. Key Features

- **Quick-Release Mechanism:** Allows the clamp to be opened fully or significantly loosened without extensive unscrewing, enabling rapid installation and removal. This can be a swing-away screw housing, a hinged latch, or a similar mechanism.
- **Worm Gear Tightening:** Utilizes a traditional worm screw for fine-tuning the tension and achieving a secure seal once the quick-release mechanism is engaged.
- **Wide Adjustment Range:** The quick-release feature often allows the clamp to accommodate a broader range of hose diameters compared to standard worm gear clamps of a similar band length.
- **Reusable:** Designed to be easily opened and closed multiple times without loss of clamping effectiveness, making them cost-effective for applications requiring frequent access.
- **Time-Saving:** Significantly reduces installation and removal time, especially on larger diameter hoses or in applications with repeated assembly/disassembly.
- **Ease of Use in Restricted Areas:** The ability to open the clamp wide can simplify installation in tight or awkward spaces where continuous turning of a screw would be difficult.
- **Secure Clamping:** Provides a strong and reliable seal when properly tightened using the worm gear.
- **Versatility:** Suitable for various hose types and applications where quick adjustment or removal is beneficial.

3. Specifications





Band Width:12.7mm Band Thickness: 0.6mm

Code	Max Bundle Diameter	
	mm	inch
QRA70	23-70	0.9-2.8
QRA90	42-90	1.7-3.5
QRA130	51-130	2.0-5.0
QRA152	51-152	2.0-6.0
QRA176	51-176	2.0-7.0
QRA215	60-215	2.4-8.5
QRA254	60-254	2.4-10.0
QRA305	60-305	2.4-12.0
QRA356	60-356	2.4-14.0
QRA381	60-381	2.4-15.0
QRA457	60-457	2.4-18.0
QRA508	60-508	2.4-20.0

Band Width:14.2mm Band Thickness: 0.6mm

Code	Max Bundle Diameter	
	mm	inch
QRB70	51-70	2.0-2.8
QRB90	51-90	2.0-3.5
QRB130	51-130	2.0-5.0
QRB152	51-152	2.0-6.0
QRB176	51-176	2.0-7.0
QRB215	60-215	2.4-8.5
QRB254	60-254	2.4-10.0
QRB305	60-305	2.4-12.0
QRB356	60-356	2.4-14.0
QRB381	60-381	2.4-15.0
QRB457	60-457	2.4-18.0
QRB508	60-508	2.4-20.0

Please contact sales for customizing any other specific sizes.

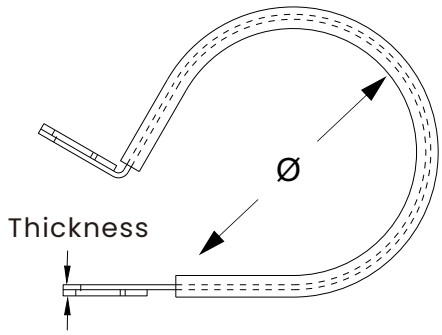
1. Description

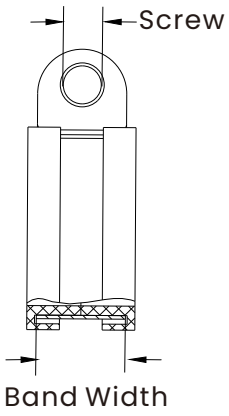
Rubber Lined Hose Clamps, often referred to as P-Clips, cushioned clamps, or adel clamps, are fastening devices designed to secure hoses, pipes, cables, or tubing while providing protection against vibration, abrasion, and in some cases, electrical insulation. These clamps consist of a metal band, typically steel or stainless steel, which is lined on its inner surface with a resilient rubber material (such as EPDM). The clamp is usually a "P" shape with two holes at the ends of the band for mounting with a screw or bolt. Some rubber-lined clamps are also available in a worm-drive style, where a rubber liner is added to a standard worm gear clamp to protect soft hoses. The rubber lining helps to absorb shock, dampen vibration, prevent chafing or damage to the clamped object, and can provide a tighter grip on uneven surfaces.

2. Key Features

- **Vibration Damping:** The rubber lining absorbs vibrations, reducing noise and protecting the clamped item and surrounding structures from fatigue.
- **Abrasion Protection:** Prevents direct contact between the metal clamp band and the surface of the hose or cable, safeguarding against wear, chafing, and cutting.
- **Secure Clamping:** Provides a firm and secure grip on hoses, pipes, or cables.
- **Noise Reduction:** The cushioning effect of the rubber helps to reduce noise generated by vibrating pipes or hoses.
- **Electrical Insulation (in some cases):** Depending on the rubber material, it can offer a degree of electrical insulation between the clamp and the clamped object.
- **Corrosion Resistance:** Metal components are often made from stainless steel or zinc-plated steel for good corrosion resistance. The rubber lining also protects the clamped surface from contact corrosion.
- **Temperature Resistance:** The choice of rubber material (e.g., EPDM) can offer good resistance to a range of temperatures.
- **Easy Installation:** Typically installed using a single screw or bolt through the mounting holes (for P-Clips) or via a standard screw mechanism (for rubber-lined worm drive clamps).
- **Reinforced Band Ends (on some P-Clip types):** Provides higher mechanical load capacity and prevents tearing at the fixing point.
- **Snug Fit:** The rubber lining can conform to slight irregularities in the hose or pipe surface, ensuring a snug fit.

3. Specifications





Diameter (mm)	Band Size(mm)		Screw	Diameter (mm)	Band Size(mm)		Screw
	Width	Thickness			Width	Thickness	
6	12	0.6	M6	6	20	0.8	M8
8	12	0.6	M6	8	20	0.8	M8
10	12	0.6	M6	12	20	0.8	M8
13	12	0.6	M6	14	20	0.8	M8
16	12	0.6	M6	16	20	0.8	M8
19	12	0.6	M6	18	20	0.8	M8
21	12	0.6	M6	20	20	0.8	M8
25	12	0.6	M6	22	20	0.8	M8
27	12	0.6	M6	24	20	0.8	M8
32	12	0.6	M6	26	20	0.8	M8
35	12	0.6	M6	28	20	0.8	M8
40	12	0.6	M6	30	20	0.8	M8
50	12	0.6	M6	32	20	0.8	M8
60	12	0.6	M6	38	20	0.8	M8
8	15	0.8	M6	40	20	0.8	M8
10	15	0.8	M6	46	20	0.8	M8
13	15	0.8	M6	48	20	0.8	M8
16	15	0.8	M6	50	20	0.8	M8
20	15	0.8	M6	55	20	0.8	M8
25	15	0.8	M6	60	20	0.8	M8
30	15	0.8	M6	65	20	0.8	M8
35	15	0.8	M6	70	20	0.8	M8

Please contact sales for more information about other sizes.

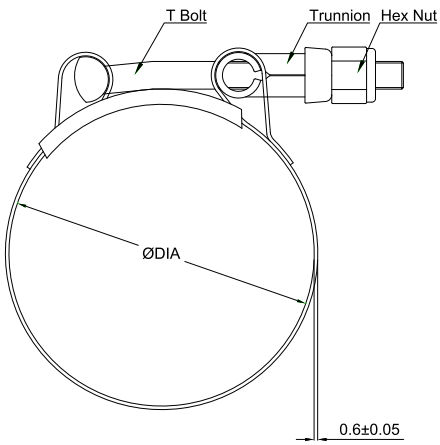
1. Description

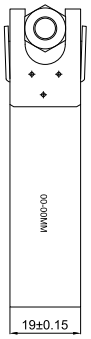
T-Bolt Hose Clamps are heavy-duty fasteners designed to provide a strong, reliable, and leak-proof seal for high-pressure applications and on hoses made of various materials, including silicone. These clamps feature a robust, solid band, often with rolled edges to prevent hose damage, and a T-shaped bolt that engages with a trunnion or saddle and is tightened with a nut. This design allows for a very high clamping force to be applied evenly around the circumference of the hose. T-Bolt clamps are superior to standard worm-drive clamps in terms of strength and sealing capability under demanding conditions, making them suitable for industrial, automotive (especially high-performance and turbo applications), marine, and heavy-duty vehicle use.

2. Key Features

- **High Clamping Force:** The T-bolt and nut design allows for significantly higher tightening torque and, consequently, greater clamping force compared to standard worm gear clamps.
- **Uniform Sealing Pressure:** Provides 360° even pressure distribution around the hose, ensuring a secure and leak-proof seal, even on irregular surfaces or with firm hoses.
- **Heavy-Duty Construction:** Features a strong, often wider, solid band and robust T-bolt, nut, and trunnion/saddle components designed for durability and high-stress applications.
- **Vibration Resistance:** The secure bolt and nut fastening mechanism offers excellent resistance to loosening caused by vibration.
- **Suitable for High-Pressure Applications:** Ideal for systems where high internal pressures are present, such as turbocharger connections, coolant systems, and industrial fluid transfer.
- **Hose Protection:** Bands typically have rolled or smooth edges to prevent cutting into or damaging the hose material, especially important for silicone or other soft hoses.
- **Corrosion Resistance:** Commonly manufactured from stainless steel or zinc-plated carbon steel to withstand corrosive environments.
- **Reusable:** Can generally be loosened and retightened multiple times without significant loss of performance.
- **Floating Bridge (on some designs):** A floating bridge or liner can be incorporated to ensure even pressure distribution and protect the hose from the bolt mechanism.
- **Welded Construction:** Often features welded construction for increased security and reliability of the T-bolt to the band.

3. Specifications





Code	Diameter (mm)	Band Width (mm)	Band Thickness (mm)
TB040	35-40	19	0.6
TB043	38-43	19	0.6
TB046	41-46	19	0.6
TB049	42-49	19	0.6
TB054	47-54	19	0.6
TB060	52-60	19	0.6
TB064	56-64	19	0.6
TB067	59-67	19	0.6
TB071	63-71	19	0.6
TB078	70-78	19	0.6
TB083	74-83	19	0.6
TB089	80-89	19	0.6
TB095	86-95	19	0.6
TB101	92-101	19	0.6
TB104	96-104	19	0.6
TB117	109-117	19	0.6
TB124	116-124	19	0.6
TB130	122-130	19	0.6
TB136	129-136	19	0.6
TB140	132-140	19	0.6
TB146	138-146	19	0.6
TB149	141-149	19	0.6
TB155	147-155	19	0.6
TB162	154-162	19	0.6
TB168	160-168	19	0.6
TB174	166-174	19	0.6
TB181	173-181	19	0.6
TB187	179-187	19	0.6
TB195	187-195	19	0.6

Please contact sales for customizing other specific sizes.

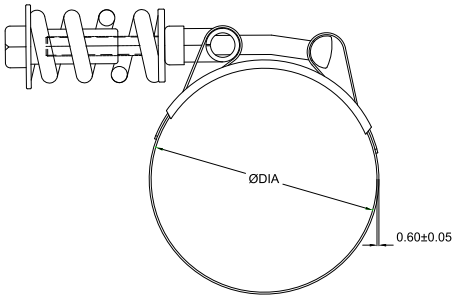
1. Description

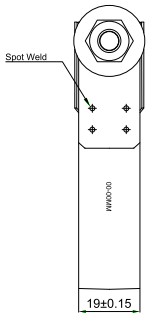
T-Bolt Spring Hose Clamps, also known as Spring-Loaded T-Bolt Clamps or Constant Tension T-Bolt Clamps, are advanced heavy-duty fasteners designed to provide a reliable and dynamic seal in applications experiencing thermal expansion and contraction or significant vibration. These clamps combine the robust T-bolt mechanism with an integrated spring assembly (often a coil spring or Belleville washers). This spring allows the clamp to automatically adjust its diameter, maintaining a consistent clamping force on the hose as it expands or contracts due to temperature changes or pressure fluctuations. This prevents leaks that might occur with standard clamps under such conditions, making them ideal for critical applications in automotive, heavy-duty vehicle, marine, and industrial sectors, especially with silicone hoses or in charge air cooler (CAC) systems.

2. Key Features

- **Constant Tension:** The integrated spring mechanism automatically compensates for the expansion and contraction of hoses and fittings due to temperature changes or pressure variations, maintaining a consistent sealing pressure.
- **Prevents "Cold Flow" Leaks:** By dynamically adjusting to changes in hose diameter, these clamps effectively prevent leaks that can occur when standard clamps lose tension.
- **High Clamping Force:** Retains the high clamping force characteristic of T-Bolt clamps, ensuring a secure grip even under demanding conditions.
- **Vibration Resistance:** The spring loading helps to absorb vibrations and maintain clamp tightness, preventing loosening over time.
- **Heavy-Duty Construction:** Features a strong band, robust T-bolt, nut, trunnion, and a durable spring assembly designed for high-stress environments.
- **Hose Protection:** Bands typically have rolled or smooth edges, and some designs may include a floating bridge or liner to protect the hose from damage, especially soft silicone hoses.
- **Extended Service Life:** By maintaining optimal sealing pressure, these clamps can contribute to the longevity of hose connections and reduce maintenance needs.
- **Suitable for Dynamic Systems:** Ideal for applications with frequent temperature cycles, such as engine coolant systems, charge air systems, and exhaust connections.
- **Corrosion Resistance:** Commonly manufactured from stainless steel or with protective plating for durability in various environments.

3. Specifications





Code	Diameter (mm)	Band Width (mm)	Band Thickness (mm)
STB052	46-52	19	0.6
STB057	49-57	19	0.6
STB060	52-60	19	0.6
STB064	56-64	19	0.6
STB067	59-67	19	0.6
STB073	65-73	19	0.6
STB079	71-79	19	0.6
STB084	76-84	19	0.6
STB086	78-86	19	0.6
STB091	83-91	19	0.6
STB098	90-98	19	0.6
STB100	92-100	19	0.6
STB111	103-111	19	0.6
STB117	109-117	19	0.6
STB124	116-124	19	0.6
STB130	122-130	19	0.6
STB136	129-136	19	0.6
STB140	132-140	19	0.6
STB146	138-146	19	0.6
STB146	141-149	19	0.6
STB155	147-155	19	0.6
STB162	154-162	19	0.6
STB168	160-168	19	0.6
STB174	166-174	19	0.6
STB181	173-181	19	0.6
STB187	179-187	19	0.6
STB195	187-195	19	0.6

Please contact sales for customizing other specific sizes.

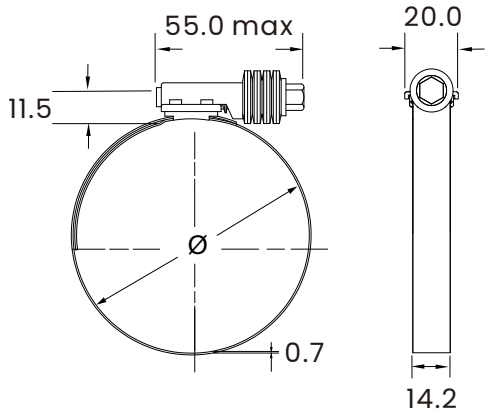
1. Description

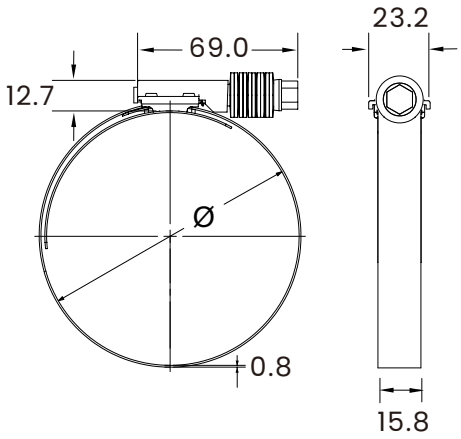
Constant Tension Hose Clamps are engineered to provide a reliable and dynamic seal on hose connections that are subject to fluctuations in temperature and pressure. These clamps incorporate a spring mechanism, often utilizing a series of Belleville washers (disc springs), integrated into the worm-drive housing. This design allows the clamp to automatically expand or contract with the hose and fitting as they change size due to thermal cycling or variations in system pressure. By maintaining a consistent clamping force, these clamps help to prevent "cold flow" leaks and ensure a tight seal over a wide range of operating conditions. They are particularly well-suited for demanding applications in automotive, heavy-duty vehicle, and industrial sectors where temperature extremes and pressure variations are common.

2. Key Features

- **Constant Tension Performance:** The integrated spring mechanism (e.g., Belleville washers) automatically adjusts the clamp diameter to maintain a consistent sealing pressure as hoses expand or contract.
- **Eliminates "Cold Flow" Leaks:** By compensating for changes in hose diameter, these clamps prevent leaks that can occur when standard clamps lose tension due to material compression set or thermal changes.
- **Extended Inner Liner (Common):** Many designs feature a smooth, extended inner liner that protects soft hoses (like silicone) from damage caused by perforations or sharp edges in the band, ensuring a true concentric seal.
- **Heavy-Duty Construction:** Typically built for durability and high-performance applications.
- Worm-Drive Mechanism: Utilizes a familiar and reliable worm gear screw for initial tightening and adjustment.
- **Vibration Resistance:** The constant tension helps to keep the clamp secure even under conditions of vibration.
- **Wide Application Range:** Suitable for various hose materials and demanding environments.

3. Specifications





Code	Inch(Ø)		mm(Ø)	
	min	max	min	max
CTA27	9/16	1-1/16	14	27
CTA32	11/16	1-1/4	17	32
CTA38	13/16	1-1/2	21	38
CTA44	13/16	1-3/4	21	44
CTA51	1-1/16	2	27	51
CTA57	1-5/16	2-1/4	33	57
CTA64	1-9/16	2-1/2	40	64
CTA70	1-13/16	2-3/4	46	70
CTA76	2-1/16	3	52	76
CTA83	2-5/16	3-1/4	59	83
CTA89	2-9/16	3-1/2	65	89
CTA95	2-13/16	3-3/4	71	95

To customize any other specific sizes, please contact sales.

Code	Inch(Ø)		mm(Ø)	
	min	max	min	max
CTB44	1	1-3/4	25	44
CTB54	1-1/4	2-1/8	32	54
CTB67	1-3/4	2-5/8	44	67
CTB79	2-1/4	3-1/8	57	79
CTB92	2-3/4	3-5/8	70	92
CTB105	3-1/4	4-1/8	83	105
CTB117	3-3/4	4-5/8	95	117
CTB130	4-1/4	5-1/8	108	130
CTB143	4-3/4	5-5/8	121	143
CTB156	5-1/4	6-1/8	133	156
CTB168	5-3/4	6-5/8	146	168
CTB181	6-1/4	7-1/8	159	181
CTB194	6-31/4	7-5/8	171	194
CTB206	7-1/4	8-1/8	184	206
CTB219	7-3/4	8-5/8	197	219
CTB232	8-1/4	9-1/8	210	232

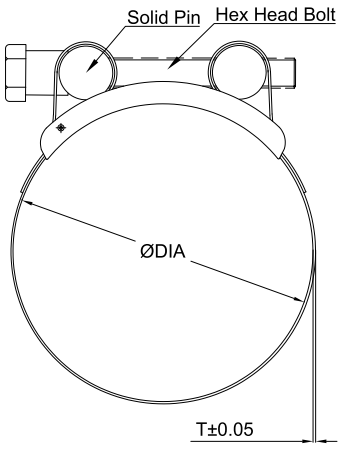
1. Description

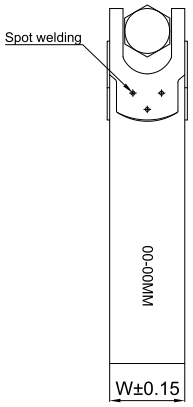
Heavy Duty Hose Clamps are robust fastening devices engineered for securing hoses in demanding applications where high clamping forces, strong sealing capabilities, and resistance to challenging conditions are required. These clamps are designed to handle high pressures and are often used with reinforced or less pliable hoses. Characteristically, they feature a solid, often wider band, and a strong tightening mechanism, such as a high-tensile bolt and nut system, sometimes with specialized housing or bridge designs to ensure even pressure distribution and protect the hose. They are built for durability and reliable performance in critical industrial, automotive, marine, agricultural, and construction applications.

2. Key Features

- **High Clamping Force & Band Tension:** Engineered to provide exceptionally strong and consistent sealing pressure, suitable for high-pressure lines and tough hose materials.
- **Robust Construction:** Features a heavy-gauge, often wider band, and a durable tightening mechanism (e.g., bolt, nut, trunnions) designed to withstand high installation torques and operational stresses.
- **Enhanced Sealing Integrity:** Designed to create a secure, leak-proof connection even under significant pressure, vibration, or on hoses with high shore hardness.
- **Hose Protection:** Often incorporate rolled band edges or a separate bridge piece to protect the hose from damage during tightening and under operational stress.
- **Corrosion Resistance:** Typically manufactured from high-grade stainless steel or specially treated carbon steel to resist corrosion in harsh environments, including acidic or saltwater conditions.
- **Vibration Resistance:** The strong and secure fastening mechanism provides excellent resistance to loosening caused by mechanical vibrations.
- **Durability:** Built for long service life in demanding industrial and heavy-duty applications.
- **Ease of Installation:** Despite their robust nature, they are generally designed for straightforward installation using standard manual or power tools.
- **Reusable (Often):** Many designs can be loosened and re-tightened multiple times.
- **Mechanically Locked Closure (on some designs):** Some designs feature mechanically interlocked closures rather than spot welds, enhancing strength and corrosion resistance at the closure point.
- **Reinforced Band Loops/Eyes:** The points where the bolt engages with the band are often reinforced to withstand higher torques without deformation.

3. Specifications - Single Bolt

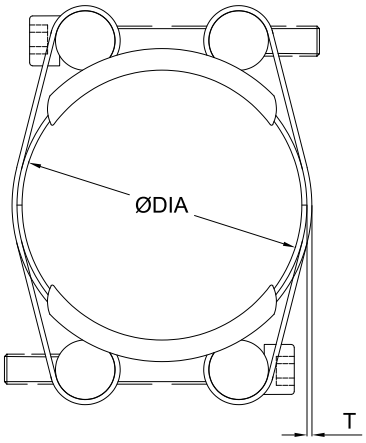


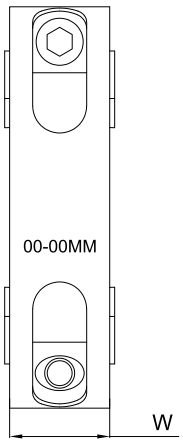


Diameter (mm)	Band Width (mm)	Thickness(mm)		Bolt
		W1	W2/W4/W5	
17-19	18	0.6	0.6	M5X40
20-22	18	0.6	0.6	M5X40
23-25	18	0.6	0.6	M5X40
26-28	18	0.6	0.6	M5X40
29-31	20	0.8	0.6	M6X50
32-35	20	0.8	0.6	M6X50
36-39	20	0.8	0.6	M6X50
38-41	20	0.8	0.6	M6X50
40-43	20	0.8	0.6	M6X50
44-47	22	1.2	0.8	M6X55
48-51	22	1.2	0.8	M6X55
52-55	22	1.2	0.8	M6X55
56-59	22	1.2	0.8	M6X55
60-63	22	1.2	0.8	M6X55
64-67	22	1.2	0.8	M6X55
68-73	24	1.5	0.8	M8X70
74-79	24	1.5	0.8	M8X70
80-85	24	1.5	0.8	M8X70
86-91	24	1.5	0.8	M8X70
92-97	24	1.5	0.8	M8X70
98-103	24	1.5	0.8	M8X70
104-112	24	1.5	0.8	M8X70
113-121	24	1.5	0.8	M8X70
122-130	24	1.5	0.8	M8X70
131-139	26	1.7	1.0	M10X100
140-148	26	1.7	1.0	M10X100
149-161	26	1.7	1.0	M10X100
162-174	26	1.7	1.0	M10X100
175-187	26	1.7	1.0	M10X100
188-200	26	1.7	1.0	M10X100
201-213	26	1.7	1.0	M10X100
214-226	26	1.7	1.0	M10X100
227-239	26	1.7	1.0	M10X100
240-252	26	1.7	1.0	M10X100

Please contact sales for more information about other sizes.

4. Specifications - Double Bolt





Diameter (mm)	Band Width X Thickness(mm)		Bolt
	W1	W4/W5	
30-40	20	1.0	M6X45
35-45	20	1.0	M6X45
40-50	20	1.0	M6X45
45-55	20	1.0	M6X45
50-60	20	1.0	M6X45
55-65	20	1.0	M6X45
60-70	20	1.0	M6X45
65-75	20	1.0	M6X45
70-80	20	1.0	M6X45
75-85	20	1.0	M6X45
80-90	20	1.0	M6X45
85-95	20	1.0	M6X45
90-100	24	1.0	M8X60
100-110	24	1.0	M8X60
110-120	24	1.0	M8X60
120-130	24	1.0	M8X60
130-140	24	1.0	M8X60
140-150	24	1.0	M8X60
150-160	24	1.0	M8X60
160-170	24	1.0	M8X60
170-180	24	1.0	M8X60
180-190	24	1.0	M8X60
190-200	24	1.0	M8X60
200-210	24	1.0	M8X60
210-220	24	1.0	M8X60
220-230	24	1.0	M8X60
230-240	24	1.0	M8X60
240-250	24	1.0	M8X60
250-260	24	1.0	M8X60
260-270	24	1.0	M8X60
270-280	24	1.0	M8X60
290-300	24	1.0	M8X60

Please contact sales for more information about other sizes.

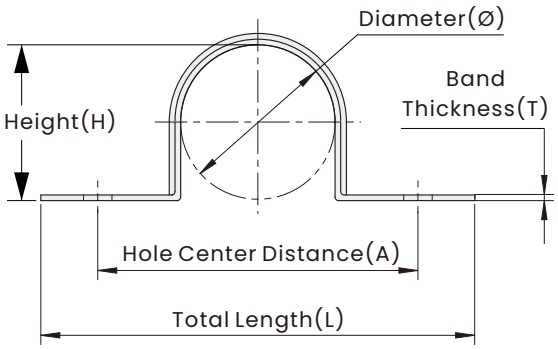
1. Description

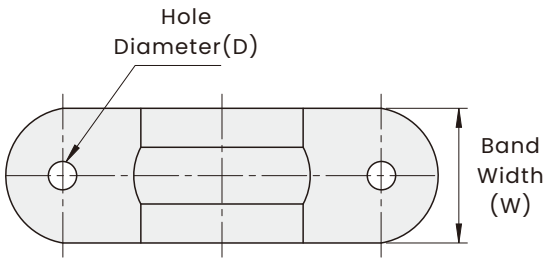
Saddle Type Hose Clamps are fastening devices designed to securely hold hoses, pipes, cables, or tubes in place, often by attaching them to a fixed surface or by clamping them around a fitting. The "saddle" component is a key feature, typically a curved or shaped piece that conforms to the contour of the object being clamped. This saddle helps to distribute the clamping force more evenly, reducing the risk of pinching, deforming, or damaging the hose or pipe, especially with softer materials. These clamps can vary in design, from simple P-clips or U-shaped saddles with mounting holes, to more robust multi-bolt clamps where a saddle piece works in conjunction with bands and bolts to secure a connection. They are used in a wide array of applications for both support and sealing purposes.

2. Key Features

- **Even Pressure Distribution:** The saddle component helps to spread the clamping force over a wider area of the hose or pipe, minimizing stress concentration and potential damage.
- **Secure Fastening:** Provides a stable and reliable hold for hoses, pipes, cables, or conduits.
- Protection for Clamped Object: The saddle (and sometimes an additional rubber lining) can protect the surface of the clamped item from abrasion or distortion.
- **Versatility:** Available in various designs suitable for different applications, including simple support, vibration damping, and sealing.
- **Material Variety:** Constructed from various materials like steel, stainless steel, or plastic to suit different environmental conditions and strength requirements.
- **Range of Sizes:** Accommodates a wide spectrum of hose, pipe, and cable diameters.
- **Easy Installation:** Most types can be installed using common hand tools.
- **Vibration Damping (for rubber-lined versions):** Rubber-lined saddle clamps can effectively reduce noise and vibration transmission.

3. Specifications





Code	Dimensions(mm)							Code	Dimensions(mm)						
	Ø	H	A	L	D	W	T		Ø	H	A	L	D	W	T
SD5	6	5	20	38	4	12	0.6	SD60	61	60	92	103	6	18	0.6
SD8	9	8	23	39	4	12	0.6	SD63	64	63	96	105	6	18	0.6
SD10	11	10	25	40	4	12	0.6	SD65	66	65	98	108	6	18	0.6
SD12	13	12	27	42	4	12	0.6	SD70	71	70	103	116	6	18	0.6
SD14	15	14	32	47	4	12	0.6	SD75	76	75	105	120	6	18	0.6
SD16	17	16	38	51	6	18	0.6	SD80	81	80	110	125	6	18	0.6
SD18	19	18	40	53	6	18	0.6	SD90	91	90	120	130	6	18	0.6
SD20	21	20	43	55	6	18	0.6	SD100	101	100	130	140	6	18	0.6
SD22	23	22	53	65	6	18	0.6	SD110	111	110	140	150	6	18	0.6
SD25	26	25	56	69	6	18	0.6	SD115	116	115	145	160	6	18	0.6
SD27	28	27	57	70	6	18	0.6	SD120	121	120	150	170	6	18	0.6
SD30	31	30	60	72	6	18	0.6	SD130	131	130	160	180	6	18	0.6
SD32	33	32	62	74	6	18	0.6	SD140	141	140	170	190	6	18	0.6
SD35	36	35	64	76	6	18	0.6	SD150	151	150	180	200	6	18	0.6
SD40	41	40	69	82	6	18	0.6	SD160	161	160	190	210	6	18	0.6
SD42	43	42	72	82	6	18	0.6	SD170	171	170	200	220	6	18	0.6
SD45	46	45	75	87	6	18	0.6	SD180	181	180	210	225	6	18	0.6
SD50	51	50	82	96	6	18	0.6	SD190	191	190	220	230	6	18	0.6
SD57	58	57	89	98	6	18	0.6	SD200	201	200	230	240	6	18	0.6

Please contact sales for more information about other sizes.

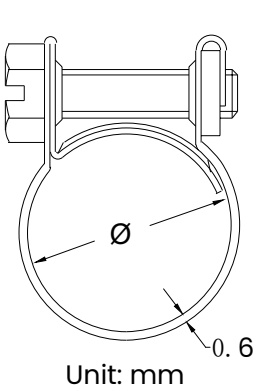
1. Description

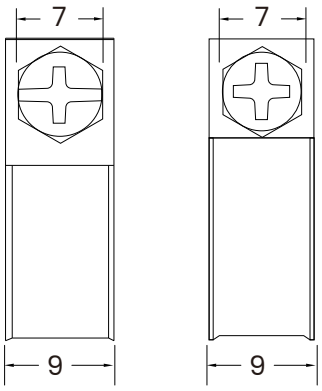
Mini Hose Clamps, also known as micro gear clamps or miniature worm drive clamps, are small-sized fastening devices designed for securing small diameter hoses, tubes, or cables in applications where space is limited or a less obtrusive clamp is required. They operate on the same worm gear principle as their larger counterparts: a screw, when turned, engages with a perforated or embossed band, causing the band to tighten around the object. These clamps are ideal for providing a secure and reliable seal on small, flexible hoses in a variety of industries, including automotive, electronics, plumbing, appliances, and for general household or DIY repairs.

2. Key Features

- **Compact Size:** Specifically designed for small diameter hoses and applications with limited space.
- **Lightweight:** Their small size contributes to minimal added weight.
- **Worm Gear Mechanism:** Allows for easy and precise tightening to achieve a secure fit.
- **Adjustable Diameter:** Each clamp can be adjusted to fit a range of small hose diameters.
- **Ease of Installation:** Can be installed and tightened using common tools like a small screwdriver or a 1/4" hex driver.
- **Good Sealing for Low Pressure:** Effective for creating a reliable seal in low-pressure fluid, air, or gas lines.
- **Cost-Effective:** Generally an economical solution for small hose applications.
- **Variety of Materials:** Available in different materials, including stainless steel for corrosion resistance.
- **Rolled/Smooth Band Edges (often):** Helps prevent damage to soft or thin-walled hoses during tightening.

3. Specifications





Code	Diameter (mm)	Width (mm)	Thickness (mm)	Code	Diameter (mm)	Wdith (mm)	Thickness (mm)
MH0709	7-9	9	0.6	MH2022	20-22	9	0.6
MH0810	8-10	9	0.6	MH2123	21-23	9	0.6
MH0911	9-11	9	0.6	MH2224	22-24	9	0.6
MH1012	10-12	9	0.6	MH2325	23-25	9	0.6
MH1113	11-13	9	0.6	MH2426	24-26	9	0.6
MH1214	12-14	9	0.6	MH2527	25-27	9	0.6
MH1315	13-15	9	0.6	MH2628	26-28	9	0.6
MH1416	14-16	9	0.6	MH2729	27-29	9	0.6
MH1517	15-17	9	0.6	MH2830	28-30	9	0.6
MH1618	16-18	9	0.6	MH2931	29-31	9	0.6
MH1719	17-19	9	0.6	MH3032	30-32	9	0.6
MH1820	18-20	9	0.6	MH3133	31-33	9	0.6
MH1921	19-21	9	0.6	MH3234	32-34	9	0.6

For more information about other specific sizes, please contact sales.

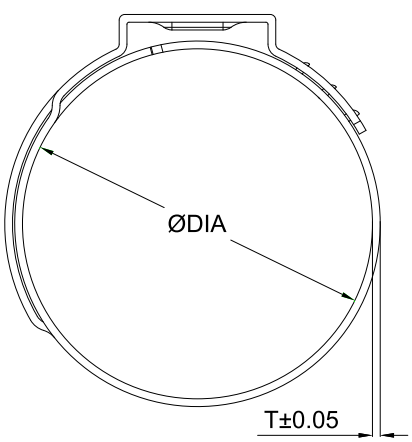
1. Description

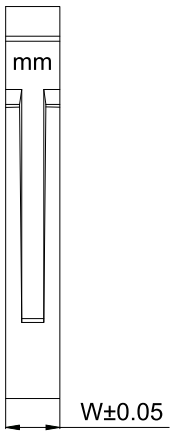
Single Ear Hose Clamps, also known as pinch clamps or Oetiker-style clamps (after a prominent manufacturer), are a type of tamper-resistant fastener used to secure hoses onto fittings. They consist of a metal band, typically stainless steel, with a single protruding "ear." Installation involves placing the clamp around the hose and fitting, and then crimping or pinching the ear with a specialized tool. This action deforms the ear, drawing the band tight and creating a uniform compression around the circumference of thehose, resulting in a secure, leak-proof seal. Due to their one-time use design and the permanent nature of the crimp, they are often chosen for applications where a tamper-evident and maintenance-free connection is desired. Many designs are "stepless," meaning there are no gaps or steps on the inner circumference of the clamp, ensuring 360° sealing.

2. Key Features

- **Tamper-Resistant Seal:** Once crimped, the clamp cannot be easily loosened or removed without destroying it, providing a secure and tamper-evident connection.
- **360° Stepless Sealing (Common):** Many designs feature a stepless inner band, ensuring uniform compression and no gaps for potential leaks.
- **Compact and Low Profile:** The single ear design results in a compact, low-profile clamp that is ideal for tight spaces where traditional screw clamps might be too bulky.
- **Quick and Easy Installation:** With the correct tool, installation is fast and straightforward, suitable for high-volume assembly lines.
- **Vibration Resistance:** The permanent crimp provides excellent resistance to loosening caused by vibration and temperature changes.
- **Cost-Effective for Mass Production:** Can be an economical solution for high-volume applications.
- **Smooth Band Edges:** Typically designed with burr-free, rounded, or specially formed band edges to prevent damage to the hose during installation and use.
- **Good Sealing Performance:** Provides a reliable seal for low to medium pressure applications.
- **Lightweight Design:** Offers minimal interference with connected components.

3. Specifications





Code	Diameter (mm)	Width (mm)	Thickness (mm)
SE070	6.0-7.0	5	0.5
SE087	7.0-8.7	5	0.5
SE095	7.8-9.5	5	0.5
SE105	8.8-10.5	5	0.5
SE119	9.4-11.9	7	0.6
SE123	9.8-12.3	7	0.6
SE128	10.3-12.8	7	0.6
SE133	10.8-13.3	7	0.6
SE138	11.3-13.8	7	0.6
SE140	11.5-14.0	7	0.6
SE145	12.0-14.5	7	0.6
SE148	12.3-14.8	7	0.6
SE153	12.8-15.3	7	0.6
SE157	13.2-15.7	7	0.6
SE162	13.7-16.2	7	0.6
SE166	14.1-16.6	7	0.6
SE168	14.3-16.8	7	0.6
SE170	14.5-17.0	7	0.6
SE175	15.0-17.5	7	0.6
SE178	14.5-17.8	7	0.6
SE180	14.8-18.0	7	0.6
SE185	15.3-18.5	7	0.6
SE192	16.0-19.2	7	0.6
SE198	16.6-19.8	7	0.6

Code	Diameter (mm)	Width (mm)	Thickness (mm)
SE210	17.8-21.0	7	0.6
SE223	19.4-22.6	7	0.6
SE235	20.3-23.5	7	0.6
SE241	20.9-24.1	7	0.6
SE256	22.4-25.6	7	0.6
SE271	23.9-27.1	7	0.6
SE286	25.4-28.6	7	0.6
SE301	26.9-30.1	7	0.6
SE308	27.6-30.8	7	0.6
SE316	28.4-31.6	7	0.6
SE331	29.9-33.1	7	0.6
SE345	31.4-34.5	7	0.6
SE361	32.9-36.1	7	0.6
SE376	34.4-37.6	7	0.6
SE381	34.9-38.1	7	0.6
SE396	36.4-39.6	7	0.6
SE410	37.8-41.0	7	0.6
SE425	39.3-42.5	7	0.6
SE440	40.8-44.0	7	0.6
SE455	42.3-45.5	7	0.6
SE470	43.6-47.0	7	0.6
SE485	45.3-48.5	7	0.6
SE500	46.8-50.0	7	0.6

Please contact sales for more information about other sizes.

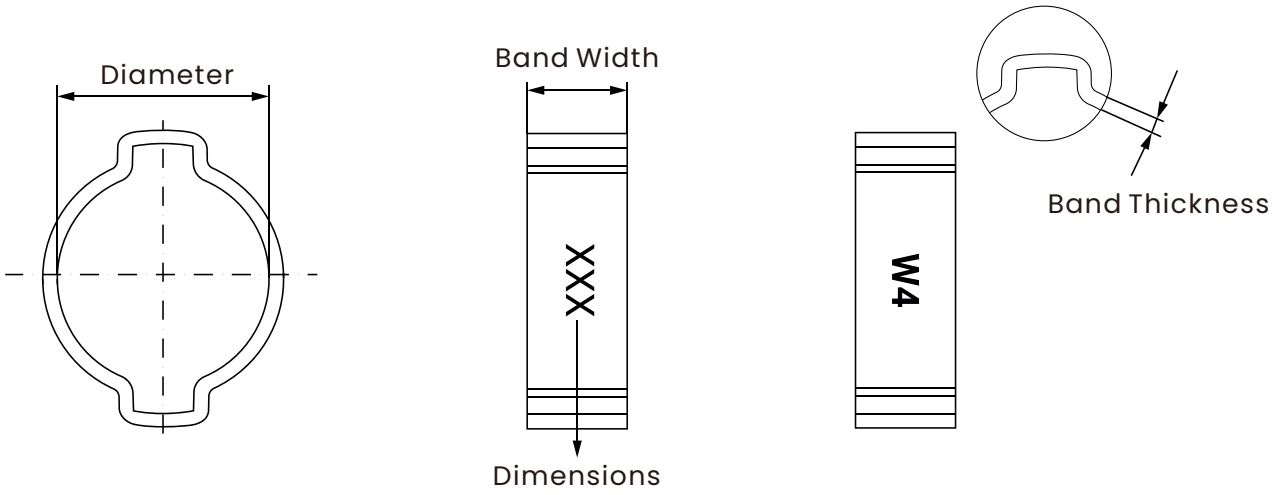
1. Description

Double Ear Hose Clamps, also known as 2-Ear Clips or O-Clips, are a type of permanent, tamper-proof fastener designed for securing hoses onto fittings, particularly in OEM (Original Equipment Manufacturer) and maintenance applications. They consist of a metal band with two protruding "ears." Installation involves placing the clamp around the hose and fitting, and then uniformly crimping both ears with a specialized pincer tool. This action deforms the ears, drawing the band tight and creating a consistent clamping force around the circumference of the hose. The double ear design is intended to provide a more flexible and exact fit during clamping and helps to maintain constant pressure. Once installed, these clamps offer a secure, reliable, and often low-profile connection.

2. Key Features

- **Tamper-Proof Connection:** Once properly crimped, the clamp provides a permanent seal and cannot be easily loosened or removed without destroying it, offering an extra degree of security.
- **Consistent Sealing Pressure:** The two ears, when crimped correctly, apply a balanced and even clamping force around the hose.
- **Vibration Resistance:** The permanent nature of the crimp makes these clamps resistant to loosening under vibration and thermal cycling.
- **Compact Design:** Generally offers a lower profile than traditional screw-type clamps, making them suitable for applications with limited space.
- **Quick and Simple Installation:** With the correct pincer tool, installation is straightforward and efficient, suitable for assembly line work.
- **Cost-Effective:** An economical solution for many simple hose assemblies and high-volume applications.
- **Rounded Band Edges:** Designed with smooth, deburred edges to prevent damage or cutting into the hose material during installation and use.
- **Effective on Metal-to-Metal Connections:** Can also be used for certain metal-to-metal joining applications.
- **Extra Grip:** The two ears provide additional gripping surface and help maintain pressure around the hose.

3. Specifications



Code (W1)	Diameter (mm)	Width (mm)	Thickness (mm)
DE105	3-5	6	0.7
DE107	5-7	6	0.7
DE109	7-9	7	0.7
DE111	9-11	7	0.9
DE113	11-13	7	1
DE115	13-15	7.5	1
DE117	14-17	7.5	1.2
DE118	15-18	7.5	1.2
DE120	17-20	7.5	1.2
DE123	20-23	9	1.3
DE125	21-25	9	1.3
DE127	23-27	9	1.4
DE128	25-28	9	1.4
DE131	28-31	9.5	1.4
DE134	31-34	9.5	1.4
DE137	34-37	9.5	1.5
DE140	37-40	10	1.6
DE143	40-43	10	1.6
DE146	43-46	10	1.6

Code (W4)	Diameter (mm)	Width (mm)	Thickness (mm)
DE405	3-5	6	0.6
DE407	5-7	6	0.6
DE409	7-9	7	0.6
DE411	9-11	7	1.0
DE413	11-13	7	1.0
DE415	13-15	7.5	1.0
DE417	14-17	7.5	1.0
DE418	15-18	7.5	1.0
DE420	17-20	7.5	1.0
DE423	20-23	9	1.0
DE425	21-25	9	1.0
DE427	23-27	9	1.0
DE428	25-28	9	1.0
DE431	28-31	9.5	1.0
DE434	31-34	9.5	1.0
DE437	34-37	9.5	1.0
DE440	37-40	10	1.0
DE443	40-43	10	1.0
DE446	43-46	10	1.0

Please contact sales for more information about other sizes.

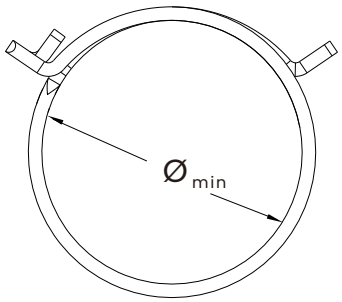
1. Description

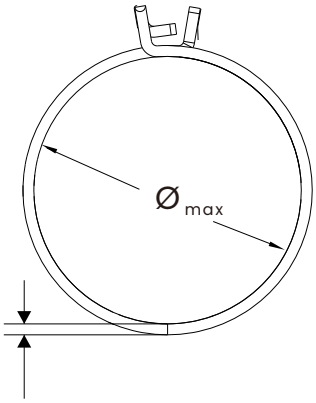
Spring Band Hose Clamps, also known as constant tension band clamps or spring steel band clamps, are self-tensioning sealing components designed to provide a consistent clamping force on hoses, particularly in applications subject to temperature fluctuations and vibration. These clamps are typically a single piece of spring steel formed into a band with protruding tabs or "ears" that are squeezed together to expand the clamp for installation or removal. Once released, the inherent spring tension of the band exerts a continuous radial pressure on the hose, automatically compensating for the expansion and contraction of the hose and fitting materials due to temperature changes. This helps to maintain a reliable, leak-proof seal over time. They are commonly used in automotive cooling systems, air intake systems, and various industrial and appliance applications.

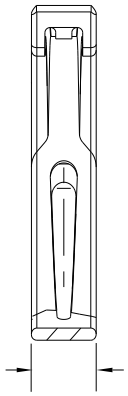
2. Key Features

- **Constant Tension:** The primary feature is their ability to maintain a relatively constant clamping force as hoses expand and contract with temperature changes, preventing "cold flow" leaks.
- **Self-Adjusting:** Automatically adapts to changes in hose diameter due to thermal cycling or material compression set.
- **Vibration Resistance:** The continuous spring tension helps to keep the clamp secure and resist loosening under vibratory conditions.
- **Uniform Pressure Distribution:** Designed to spread the clamping force evenly around the circumference of the hose for an effective seal.
- **Easy Installation and Removal:** Can be quickly installed or removed using specialized pliers that spread the ears.
- **Compact and Lightweight Design:** Generally have a low profile and are lightweight, making them suitable for applications with space constraints.
- **Cost-Effective for Mass Production:** Often an economical choice for high-volume OEM applications.
- **Tamper-Resistant (to some degree):** Less prone to casual tampering compared to screw-type clamps as specialized pliers are typically needed for removal.
- **No Over-Tightening Issues:** The clamping force is determined by the spring properties, reducing the risk of over-tightening and damaging the hose or fitting, which can occur with screw-type clamps.

3. Specifications







Diameter	Band Size(mm)	
	Width	Thickness
4	6	0.4
5	6	0.6
6	6	0.6
7	6	0.6
8	8	0.7
9	8	0.7
9.5	8	0.7
10	8	0.8
10.5	8	0.8
11	8	0.8
11.5	8	0.8
12	8	0.8
12.5	8	0.8
13	10	1.0
13.5	10	1.0
14	10	1.0
14.5	10	1.0
15	10	1.0
16	12	1.0
17	12	1.0
18	12	1.0

Diameter	Band Size(mm)	
	Width	Thickness
19	12	1.0
20	12	1.0
21	12	1.2
23	12	1.2
24	12	1.2
25	12	1.2
26	12	1.2
27	15	1.5
28	15	1.5
29	15	1.5
30	15	1.5
33	15	1.8
35	15	1.8
36	15	1.8
39	15	1.8
42	15	1.8
44	15	1.8
45	15	1.8
47	15	2.0
52	15	2.0
60	15	2.5

Please contact sales for more information about other sizes.

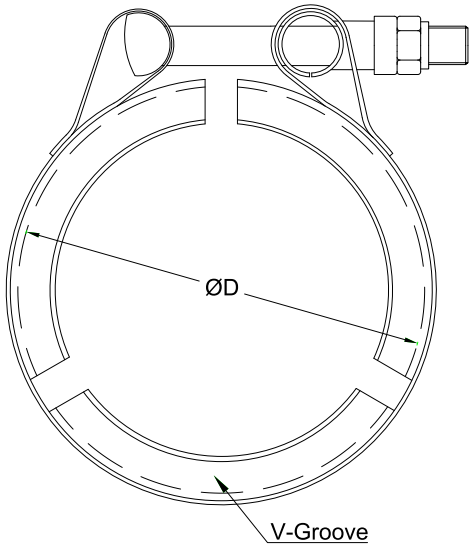
1. Description

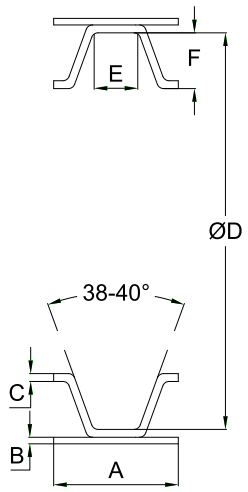
V-Band Hose Clamps, also known as V-Band Couplings or V-Clamps, are specialized fastening devices designed to provide a strong, secure, and often quick-release connection for flanged joints. Unlike traditional hose clamps that wrap around a hose to secure it to a fitting, V-Band clamps are used to join two flanges that have V-shaped profiles. The clamp itself typically consists of one or more V-shaped retainer segments (forming a circular band) and a tightening mechanism, commonly a T-bolt and nut, or sometimes a quick-release latch. When tightened, the V-shaped retainer exerts a wedging action, drawing the flanges together and creating a very strong, leak-proof seal. They are widely used in high-performance and heavy-duty applications where robust connections and resistance to high temperatures and pressures are critical.

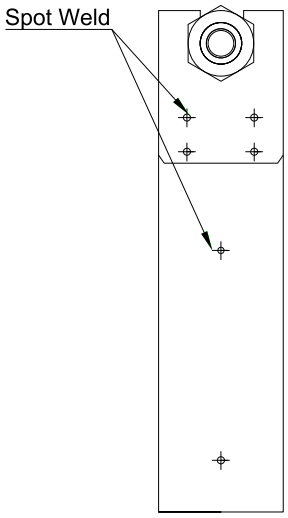
2. Key Features

- **Strong and Secure Connection:** Provides a very high-strength and rigid connection between flanged components.
- **Leak-Proof Seal:** The wedging action of the V-retainer on the flanges creates an excellent seal, often capable of handling high pressures and temperatures without gaskets (though gaskets can be used in some applications).
- **Quick Assembly/Disassembly (especially with quick-release variants):** Allows for relatively fast and easy connection and disconnection of components, which is beneficial for maintenance or modular systems.
- **Even Clamping Force:** Distributes clamping force uniformly around the circumference of the flanges.
- **High Temperature and Pressure Resistance:** Suitable for demanding environments such as exhaust systems, turbochargers, and industrial piping.
- **Vibration Resistance:** The robust design provides good resistance to loosening under vibration.
- **Compact Design:** Can offer a more compact and lighter solution compared to traditional bolted flange connections.
- **Reusable:** Generally designed to be reusable multiple times.
- **Misalignment Tolerance:** Can accommodate slight misalignments between the mating flanges.

3. Specifications







Code	D (inch)	A (mm)	B (mm)	C (mm)	E (cm)	F (cm)	Bolt
VB15	1.5	19	1	1.2	6.0	3.8	M6X75
VB20	2	19	1	1.2	6.5	4.8	M6X75
VB25	2.5	19	1	1.2	6.5	4.8	M6X75
VB30	3	19	1	1.2	6.5	4.8	M6X75
VB35	3.5	19	1	1.2	6.5	4.8	M6X75
VB40	4	22	1	1.2	6.5	4.8	M8X100
VB45	4.5	22	1	1.2	6.5	4.8	M8X100
VB50	5	22	1	1.2	6.5	4.8	M8X100
VB55	5.5	22	1	1.2	6.5	4.8	M8X100
VB60	6	22	1	1.2	6.5	4.8	M8X100
VB70	7	22	1	1.2	6.5	4.8	M8X100
VB80	8	22	1	1.2	6.5	4.8	M8X100

Please contact sales for more information about other sizes.

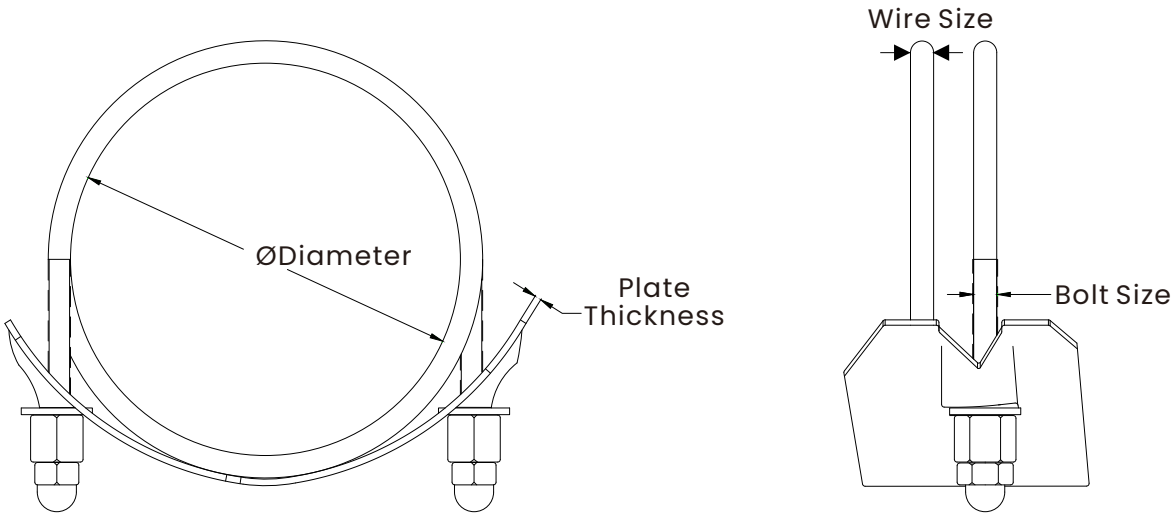
1. Description

Spiral Hose Clamps, sometimes referred to as "Tiger" clamps, are specialized heavy-duty clamps designed specifically for securing hoses with an external or internal spiral helix, or those with convoluted covers. Unlike standard flat band clamps that may not provide an even seal on such irregular surfaces, these clamps feature a spiral-formed rod or band that is designed to engage with the helix of the hose. This ensures a more positive grip and a tighter, more reliable seal by conforming to the hose's contours. They typically utilize a double bolt and nut tightening mechanism to apply strong and even clamping force. These clamps are essential for applications where a secure, leak-proof connection is required on spiral-reinforced or convoluted hoses.

2. Key Features

- **Spiral Design:** The clamping element is a spiral rod or formed band designed to follow and engage the helix of the hose, providing a secure grip between the convolutions.
- **Double Bolt Mechanism:** Typically features two bolts with hex nuts, allowing for high clamping force and even pressure distribution.
- **Enhanced Sealing:** Specifically engineered to provide a superior seal on hoses with uneven or helical surfaces where traditional clamps might fail.
- **Heavy-Duty Construction:** Built for robust applications requiring strong holding power.
- **Directional Specificity:** Often available in clockwise (right-hand spiral) and counter-clockwise (left-hand spiral) versions to match the helix direction of the hose for optimal fit and performance.
- **Hose Protection:** The design aims to clamp securely without damaging the hose's helix or cover.
- **Safety Features (on some models):** May include cap nuts on the bolt ends to prevent injury from sharp bolt edges.
- **Reusable:** Can generally be loosened and retightened multiple times.

3. Specifications



Diameter		Wire Size (mm)	Plate Thickness (mm)	Nut Size (mm)
inch	mm			
1	28-34	4.3	1.5	M5
1.2	34-40	4.3	1.5	M5
1.5	44-50	4.3	1.5	M5
2	54-60	4.3	1.5	M5
2.2	67-73	4.3	1.5	M5
2.5	71-77	5.2	1.5	M5
2.75	79-85	5.2	1.5	M6
3	88-94	5.2	1.5	M6
3.5	95-102	5.2	1.5	M6
4	108-116	7.0	2.0	M8
4.5	122-130	7.0	2.0	M8
5	134-141	7.0	2.0	M8
5.5	147-155	7.0	2.0	M8
6	160-169	9.0	2.5	M10
6.5	179-188	9.0	2.5	M10

Diameter		Wire Size (mm)	Plate Thickness (mm)	Nut Size (mm)
inch	mm			
7	190-200	9.0	2.5	M10
7.5	200-210	9.0	2.5	M10
8	222-232	9.0	2.5	M10
8.5	230-240	9.0	2.5	M10
9	240-252	9.0	2.5	M10
9.5	268-280	9.0	2.5	M10
10	278-290	9.0	2.5	M10
10.5	295-305	9.0	2.5	M10
11	303-315	9.0	2.5	M10
11.5	313-325	9.0	2.5	M10
12	318-330	9.0	2.5	M10
13	338-350	9.0	2.5	M10
14	358-370	9.0	2.5	M10
15	392-405	9.0	2.5	M10
16	417-420	9.0	2.5	M10

The above measurement data may have errors. All is subject to the actual situation.

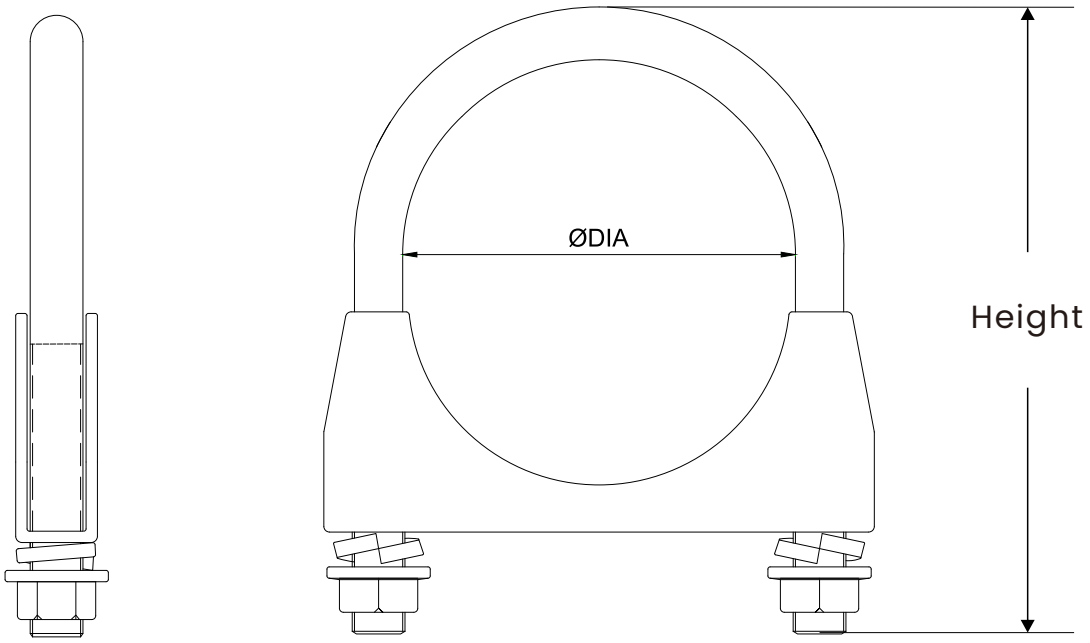
1. Description

U-Bolt Pipe Clamps are U-shaped bolts with screw threads on both ends, designed primarily for securing and supporting pipes, conduit, tubing, or round bars to a structural element or support. The curved "U" section fits around the pipe, and the threaded ends pass through holes in a support member (like a beam, channel, or bracket) and are typically secured with nuts and washers. U-bolts provide a simple yet effective method for anchoring pipework, preventing movement, reducing vibration, and maintaining alignment. They are widely used in various industries, including construction, plumbing, marine, oil and gas, and general industrial applications for both support and guidance of pipelines.

2. Key Features

- **Secure Pipe Support:** Provides a strong and reliable method for clamping and supporting pipes.
- **Versatile Application:** Suitable for a wide range of pipe diameters and materials.
- **Simple Installation:** Easy to install using basic hand tools.
- **Vibration Reduction:** Can help to stabilize pipes and reduce vibration when properly installed.
- **Anchoring and Guiding:** Can be used to rigidly anchor pipes or to guide them while allowing for axial movement, depending on the installation method.
- **Corrosion Resistance:** Available in various materials and finishes (e.g., galvanized steel, stainless steel) to suit different environmental conditions.
- **Load Bearing Capacity:** Designed to support the weight of pipes and their contents.
- **Cost-Effective:** Generally an economical solution for pipe support and clamping.
- **Variety of Shapes:** While the most common is a round bend U-bolt, square bend U-bolts are also available for clamping square or rectangular objects.

3. Specifications



Diameter (mm)	Bolt Size (mm)	Plate Thickness (mm)	Height (mm)
25	M8	2.0	53
28	M8	2.0	55
32	M8	2.0	55
38	M8	2.0	66
42	M8	2.0	70
45	M8	2.0	75
48	M8	2.0	76
51	M8	2.0	78
54	M8	2.0	85
57	M8	2.0	85
64	M8	2.0	98
67	M8	2.0	98

Diameter (mm)	Bolt Size (mm)	Plate Thickness (mm)	Height (mm)
70	M8	2.0	98
76	M8	2.0	104
83	M8	2.0	114
89	M8	2.0	116
95	M8	2.0	122
102	M8	2.0	130
110	M8	2.0	130
120	M8	2.0	150
130	M8	2.0	175
140	M8	2.0	185
150	M8	2.0	195

The above measurement data may have errors. All is subject to the actual situation.

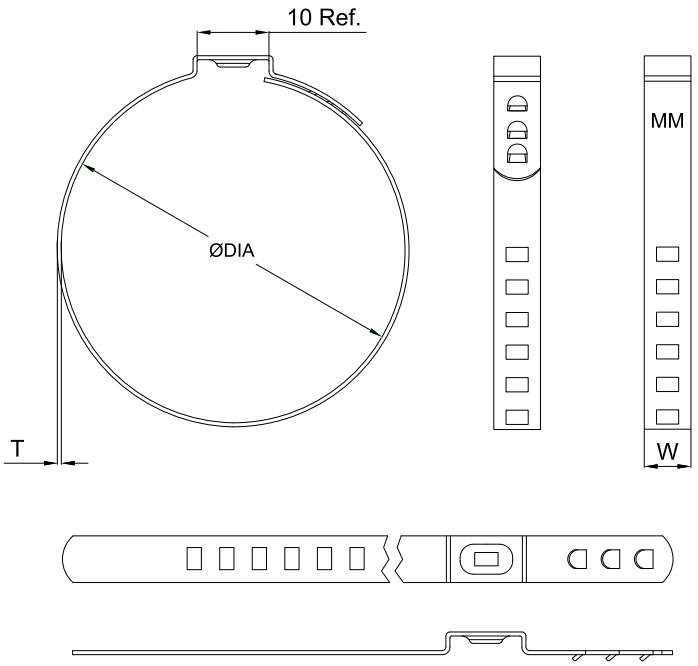
1. Description

Adjustable Ear Clamps are a type of hose clamp designed to provide a secure and tamper-resistant seal on hoses or tubing. They feature a band with one or more protruding "ears" and a unique multi-position interlock mechanism. This interlock allows the clamp to be adjusted to several nominal diameters before the final crimping of the ear(s). Once the desired diameter is selected by engaging the interlock, a specialized pincer tool is used to crimp the ear(s), drawing the band tight and creating a permanent, uniform seal around the hose. This adjustability makes them versatile for applications where exact hose diameters might vary or where a single clamp size needs to cover a wider range of applications.

2. Key Features

- **Adjustable Diameter Range:** The key feature is the multi-position interlock, allowing one clamp to be adjusted to several nominal diameters before final crimping.
- **Tamper-Resistant Connection:** Once the ear(s) are crimped, the connection is permanent and cannot be easily loosened or removed without destroying the clamp.
- **Secure Sealing:** Designed to provide effective and powerful all-round sealing.
- Simple and Fast Installation: With the correct pincer tool, installation is quick and straightforward.
- **Visible Deformation of Ear:** The crimped ear provides visual evidence of proper closure.
- **Smooth Band Edges & Inner Ring (Often):** Many designs feature burr-free strip edges and sometimes an inner ring with radial guidance to reduce the risk of damage to the hose and ensure uniform compression.
- **Vibration Resistance:** The permanent crimp offers good resistance to loosening under vibration.
- **Cost-Effective for Versatile Applications:** The ability to cover multiple diameters can reduce inventory needs.

3. Specifications



Adjustable Ear Clamps

Code	Diameter (mm)	Width (mm)	Thickness (mm)	Code	Diameter (mm)	Width (mm)	Thickness (mm)
ASE32	10-32	7	0.6	ASE85	65-85	7	0.6
ASE40	20-40	7	0.6	ASE90	70-90	7	0.6
ASE45	25-45	7	0.6	ASE95	75-95	7	0.6
ASE50	30-50	7	0.6	ASE100	80-100	7	0.6
ASE55	35-55	7	0.6	ASE105	85-105	7	0.6
ASE60	40-60	7	0.6	ASE110	90-110	7	0.6
ASE65	45-65	7	0.6	ASE120	100-120	7	0.6
ASE70	50-70	7	0.6	ASE130	110-130	7	0.6
ASE75	55-75	7	0.6	ASE140	120-140	7	0.6
ASE80	60-80	7	0.6	ASE150	130-150	7	0.6

Optional Band Size: 8*0.6mm, 8*0.8mm, 9*0.8mm

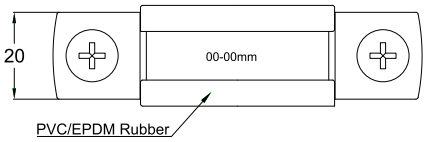
1. Description

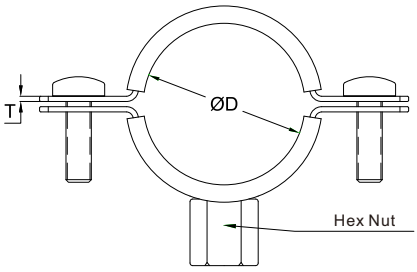
Two-Piece "O" Shape **Rubber Lined Pipe Clamps** are engineered fastening solutions designed for the secure suspension and support of pipes, hoses, or conduits, particularly in applications where vibration damping, noise reduction, and protection of the clamped surface are important. These clamps consist of two semi-circular or C-shaped metal halves that, when assembled with bolts, form a complete circular ("O" shape) enclosure around the pipe. A key characteristic is the resilient rubber lining on the inner surface of both clamp halves. This lining provides a cushioning effect, isolates the pipe from direct metal-to-metal contact, and can accommodate minor irregularities in the pipe's surface. Typically, these clamps feature integrated mounting points (e.g., a welded nut or boss) for attachment to threaded rods, enabling overhead suspension from ceilings, beams, or strut channel systems.

2. Key Features

- **Secure 360° Encirclement:** The two-piece design forms a complete ring, providing a strong and uniform grip around the pipe or hose.
- **Vibration Damping & Noise Reduction:** The integrated rubber lining effectively absorbs mechanical vibrations and dampens noise transmission between the pipe and the support structure, contributing to quieter system operation.
- **Pipe Protection:** The resilient rubber cushion prevents abrasion, scratching, and crushing of the pipe surface, especially important for softer pipe materials (e.g., copper, plastic) or coated pipes.
- **Galvanic Corrosion Prevention:** The rubber lining acts as an insulator between dissimilar metals (e.g., a copper pipe and a steel clamp), helping to prevent galvanic corrosion.
- **Heavy-Duty Support:** Designed to support the weight of pipes and their contents in suspended applications.
- **Enhanced Grip:** The rubber lining can improve the frictional grip on the pipe, reducing the likelihood of slippage.
- **Thermal Expansion Allowance (Minor):** The elasticity of the rubber can accommodate minor thermal expansion or contraction of the pipe.
- **Easy Installation:** The two-piece design simplifies installation around existing or new pipework.
- **Vertical Adjustment Capability:** When used with threaded rods, allows for precise vertical adjustment of the pipeline.
- **Corrosion Resistant Options:** Metal components are available in various materials and finishes for different environmental conditions.

3. Specifications





Code	Clamping Range (mm)	Band Width (mm)	Band Thickness (mm)
RP019	15-19	20/25	1.2/1.5/2.0
RP025	20-25	20/25	1.2/1.5/2.0
RP030	26-30	20/25	1.2/1.5/2.0
RP036	32-36	20/25	1.2/1.5/2.0
RP043	38-43	20/25	1.2/1.5/2.0
RP051	47-51	20/25	1.2/1.5/2.0
RP058	53-58	20/25	1.2/1.5/2.0
RP064	60-64	20/25	1.2/1.5/2.0
RP072	68-72	20/25	1.2/1.5/2.0
RP080	75-80	20/25	1.2/1.5/2.0
RP086	81-86	20/25	1.2/1.5/2.0
RP092	87-92	20/25	1.2/1.5/2.0
RP105	99-105	20/25	1.2/1.5/2.0
RP112	107-112	20/25	1.2/1.5/2.0
RP118	113-118	20/25	1.2/1.5/2.0
RP130	125-130	20/25	1.2/1.5/2.0
RP137	132-137	20/25	1.2/1.5/2.0
RP138	138-142	20/25	1.2/1.5/2.0
RP152	148-152	20/25	1.2/1.5/2.0
RP166	159-166	20/25	1.2/1.5/2.0
RP212	200-212	20/25	1.2/1.5/2.0
RP220	215-220	20/25	1.2/1.5/2.0
RP252	248-252	20/25	1.2/1.5/2.0

TYPE A

TYPE B

TYPE C

- TYPE A: M6 Screw + M8 Nut
- TYPE B: M6 Screw + M10 Nut
- TYPE C: M6 Screw + M8+M10 Nut

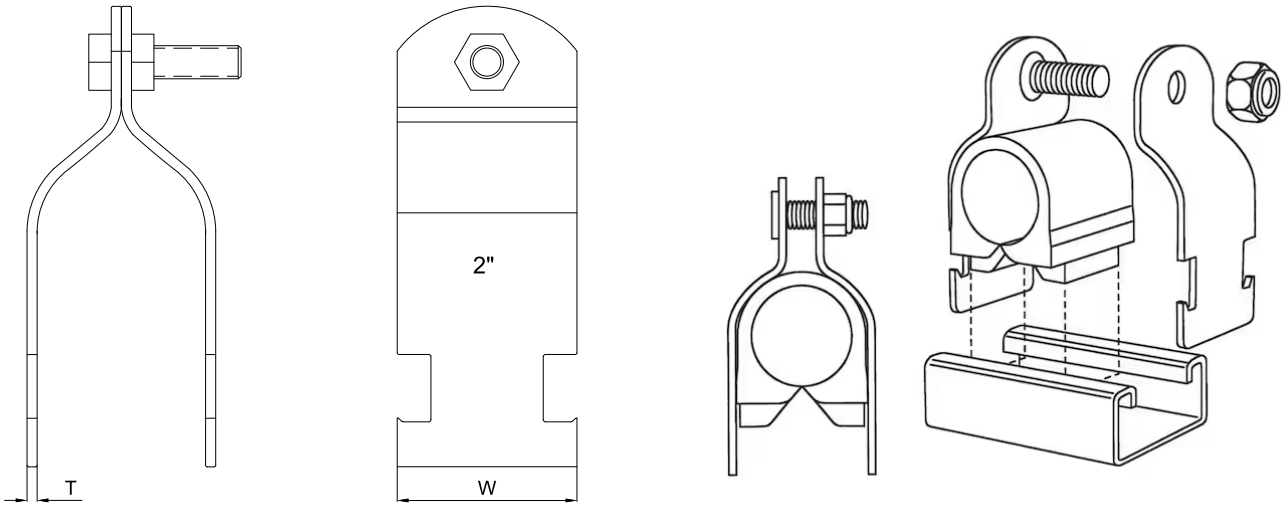
1. Description

Strut Channel Clamps are mechanical fasteners designed to secure pipes, conduits, tubing, or other components to strut channel framing systems. Strut channels (often a standardized C-shaped or U-shaped metal framing member) provide a versatile and adjustable support structure, and these clamps are the interface that holds the service elements firmly in place. They come in various designs, including one-piece clamps, two-piece clamps, P-hangers, cushion clamps, and U-bolts adapted for strut channels, each suited for different sizes, load requirements, and types of supported elements. The primary function is to provide a stable, secure, and often adjustable mounting point within the strut channel framework.

2. Key Features

- **Secure Fastening:** Designed to firmly grip pipes, conduits, or tubing, preventing movement, slippage, or vibration.
- **Compatibility with Strut Channels:** Specifically designed to fit into the open side of standard strut channels (e.g., 1-5/8" wide channels), often utilizing channel nuts (spring nuts) for secure attachment.
- **Adjustability:** Many strut clamp designs allow for adjustment along the length of the strut channel before final tightening, providing flexibility in positioning.
- **Variety of Designs:** Available in multiple configurations to suit different pipe/conduit sizes, materials (e.g., rigid steel conduit, EMT, copper, PVC), and load requirements.
  - **One-Piece Clamps:** Often used for quick installation, where the clamp and fastener are integrated or form a single unit that wraps around the conduit and secures into the channel.
  - **Two-Piece Clamps (Pipe Straps):** Consist of two separate pieces that bolt together around the pipe/conduit and attach to the strut channel.
  - **Cushion Clamps:** Include a thermoplastic elastomer or rubber cushion to absorb shock, dampen vibration, reduce noise, and prevent galvanic corrosion between dissimilar metals.
  - **U-Bolt Strut Clamps:** U-bolts adapted with plates or nuts to secure pipes to the strut channel.
- **Ease of Installation:** Generally designed for quick and straightforward installation using common hand tools (screwdrivers, nut drivers, wrenches).
- **Durability:** Manufactured from robust materials to withstand mechanical stress and environmental conditions.
- **Load Bearing:** Engineered to support specified loads, ensuring the stability of the installed pipes or conduits.
- **Corrosion Resistance:** Available in various materials and finishes to provide protection against corrosion in different environments.

3. Specifications



Code	Diameter		Width (mm)	Thickness (mm)	Bolt	Material
	inch	mm				
SC013	1/2	13	32	1.7	M6X32	W1/W4/W5
SC019	3/4	19	32	1.7	M6X32	W1/W4/W5
SC025	1	25	32	1.7	M6X32	W1/W4/W5
SC032	1-1/4	32	32	2.0	M6X32	W1/W4/W5
SC038	1-1/2	38	32	2.0	M6X32	W1/W4/W5
SC051	2	51	32	2.0	M6X44	W1/W4/W5
SC064	2-1/2	64	32	2.0	M6X44	W1/W4/W5
SC076	3	76	32	2.0	M6X44	W1/W4/W5
SC100	4	100	32	2.0	M8X44	W1/W4/W5
SC125	5	125	32	2.0	M8X44	W1/W4/W5
SC150	6	150	32	2.0	M8X44	W1/W4/W5
SC200	8	200	32	2.0	M8X44	W1/W4/W5
SC250	10	250	32	2.0	M8X44	W1/W4/W5
SC300	12	300	32	2.0	M8X44	W1/W4/W5

Please contact sales for more information about other sizes.

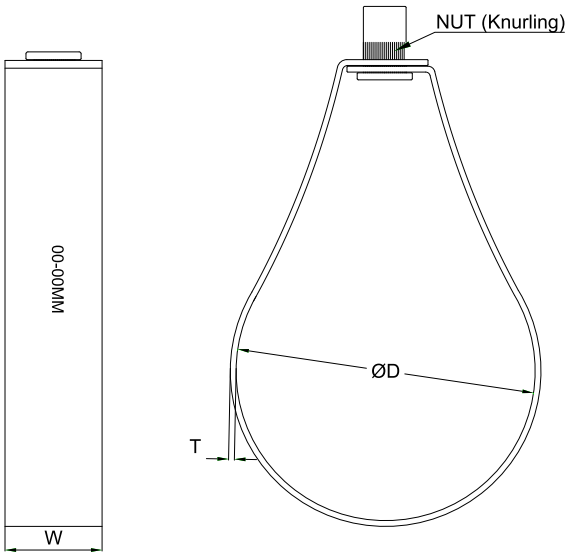
1. Description

Loop Hanger Clamps, also known as Clevis Hangers (though clevis hangers often imply a pivot point which may not always be present in simpler loop hangers) or Pipe Hangers, are pipe support devices designed to suspend stationary, non-insulated pipelines from an overhead structure. They consist of a looped band of metal (the "loop") that cradles the pipe, and a threaded rod or bolt connection point at the top, which allows for attachment to a ceiling anchor, beam clamp, or other support. The loop is typically a two-piece design that bolts together around the pipe, or a one-piece pre-formed loop that the pipe is inserted into, often with a retaining bolt or strap. These clamps are widely used in plumbing, HVAC, fire protection, and industrial piping systems for vertical adjustment and support of pipelines.

2. Key Features

- **Pipe Suspension:** Designed specifically for suspending pipes from overhead structures.
- **Vertical Adjustment:** The use of a threaded rod for suspension allows for easy vertical adjustment of the pipe elevation.
- **Simple Design:** Generally a straightforward and economical solution for pipe support.
- **Secure Support:** Provides stable support for stationary pipelines.
- **Variety of Sizes:** Available to accommodate a wide range of pipe diameters.
- **Ease of Installation:** Can be installed using common hand tools.
- **Load Bearing Capacity:** Engineered to support the weight of the pipe and its contents up to specified load limits.
- **Corrosion Resistance:** Available in various materials and finishes to suit different environmental conditions.
- **Optional Retaining Strap/Bolt:** Some designs include a lower retaining strap or bolt to ensure the pipe remains securely within the loop, especially if minor movement or vibration is anticipated.

3. Specifications

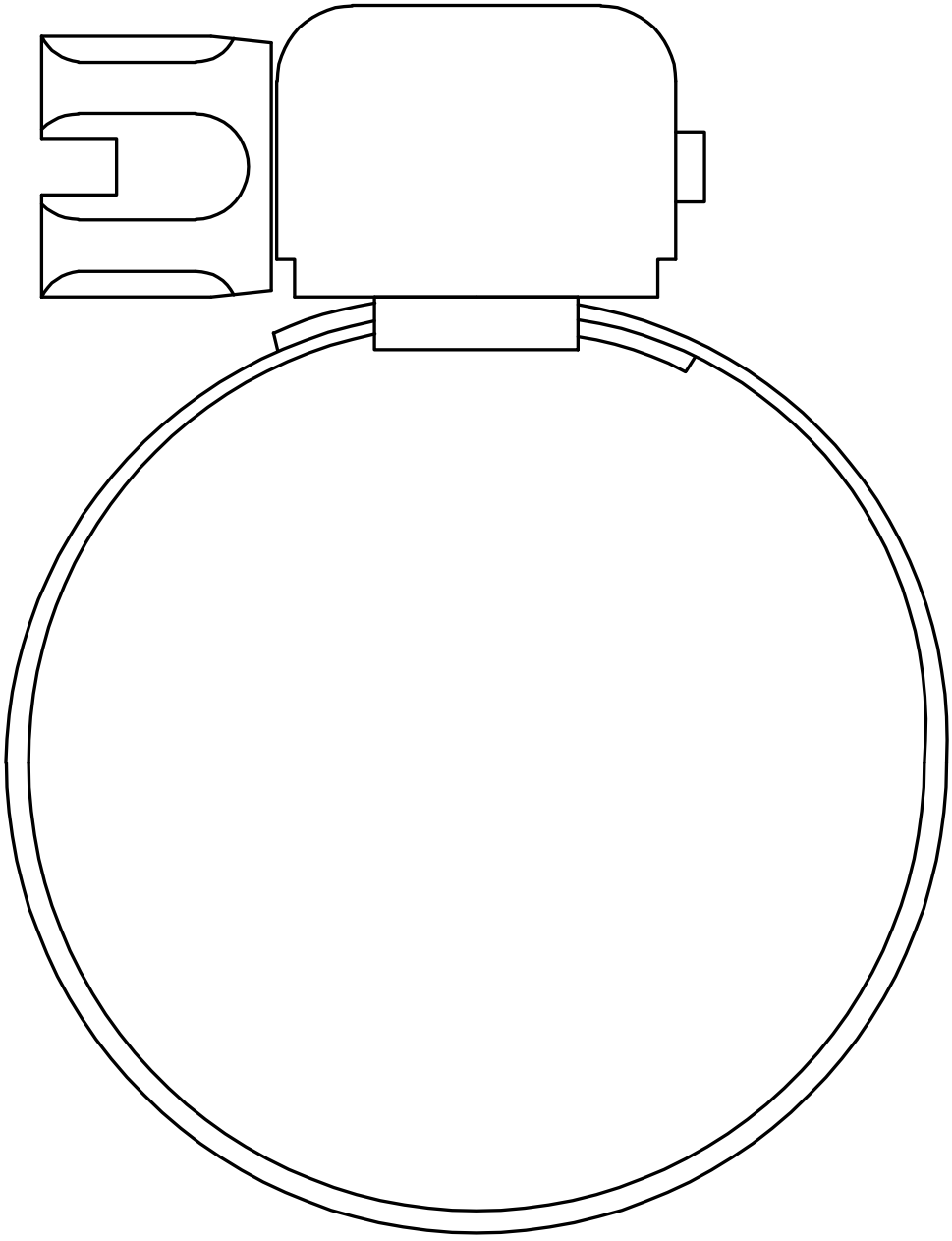


Code	Diameter		Width (mm)	Thickness (mm)	Screw	Material
	inch	mm				
LH013	1/2	13	20	1.2	M8	W1/W4/W5
LH020	3/4	20	20	1.2	M8	W1/W4/W5
LH025	1	25	20	1.2	M8	W1/W4/W5
LH032	1-1/4	32	20	1.2	M8	W1/W4/W5
LH040	1-1/2	40	20	1.2	M8	W1/W4/W5
LH050	2	50	20	1.2	M8	W1/W4/W5
LH065	2-1/2	65	20	1.2	M8	W1/W4/W5
LH080	3	80	30	1.5	M10	W1/W4/W5
LH100	4	100	30	1.5	M10	W1/W4/W5
LH125	5	125	30	1.5	M10	W1/W4/W5
LH150	6	150	30	1.5	M10	W1/W4/W5
LH200	8	200	30	1.5	M10	W1/W4/W5

Please contact sales for more information about other sizes.

Bandtite®

STAINLESS STEEL HOSE CLAMPS



Website

SHANGHAI BANDTITE INDUSTRIAL CO.,LTD

Addr: Yueqing City, Wenzhou, China, 325604

M.P./ WhatsApp / Wechat: +86-139 8977 4564

Website: www.bandtite.com

Email: sales@bandtite.com