



**INVICTA**  
**CLAMPS**  
CLAMPS



**INNOVATIVE CLAMPING TECHNOLOGY**

[www.invictaindia.com](http://www.invictaindia.com)

## **DISCLAIMER**

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Invicta Clamps : Catlogue\_EN -

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## ABOUT INVICTA CLAMPS

Invicta Clamps is headquartered in Delhi, India and primarily operates in the lucrative niche category of clamping products. The company offers 20,000 products and solutions for a wide range of applications.

Since 1980 Invicta has been at the forefront of clamp and connecting technology. With a comprehensive range and proven quality and reliability, Invicta clamps are second to none. All Invicta clamps are manufactured to stringent quality standards. We provide the most up to date range of clamping products for agricultural machinery, commercial vehicles, construction equipment, engines, aviation, infrastructure/construction/water management, passenger vehicles, railway, white goods, wholesalers, and technical distributors.

Today Invicta Clamps are used by more than 1000 customers in 120 countries. With 7 production facilities and 10 warehouses, Invicta Clamps is continuing on its journey with consistent year-over-year growth in sales volume and R&D expenditure. With the support of our dedicated employees, we consistently produce products that exceed the expectations of our customers.

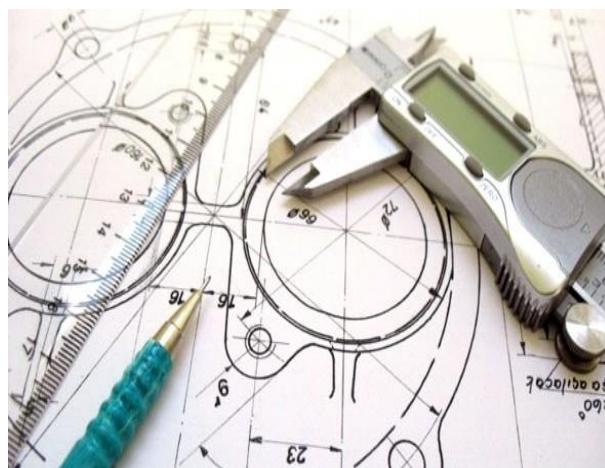
### RELIABLE QUALITY



There is a reason why INVICTA Clamps are generally the first choice for our customers. Our relentless and ruthless focus on quality, combined with internationally certified facilities and processes, ensures that our customers always receive superior quality products. Approximately 95% of our products are manufactured on fully automated machinery, thereby ensuring a low error rate and consistent quality. At INVICTA, we follow a stringent quality system, from design and development through to assembly and packaging.

At INVICTA, the initial design process involves computer aided design and simulations. We use the latest design and analytical software systems to ensure that the most efficient and optimal technical designs are created. Subsequently, prototypes are comprehensively tested at our laboratory.

### SUPERIOR ENGINEERING



## Universal U Bolt Pipe Clamps/Universal Exhaust Clamps (M8/M10)

Available in : Zinc Plating, Chrome Plating, Stainless Steel 304  
Custom Sizes Available on Request

Pre-Assembled with 2 DIN934 Nuts

Applications : Exhaust Systems, TV Antennas, Signage Mountings

| Size (in MM) |      |      |      |       |       |       |
|--------------|------|------|------|-------|-------|-------|
| 26mm         | 40mm | 52mm | 65mm | 85mm  | 106mm | 135mm |
| 28mm         | 41mm | 54mm | 67mm | 89mm  | 107mm | 140mm |
| 32mm         | 42mm | 57mm | 70mm | 92mm  | 114mm | 142mm |
| 35mm         | 45mm | 58mm | 75mm | 95mm  | 120mm | 165mm |
| 36mm         | 48mm | 60mm | 80mm | 99mm  | 127mm | 200mm |
| 38mm         | 50mm | 63mm | 83mm | 102mm | 130mm |       |



## Universal U Bolt Pipe Clamps with Consolidation (M8 / M10)

Available in : Zinc Plating, Chrome Plating, Stainless Steel 304  
Custom Sizes Available on Request

Pre-Assembled with 2 DIN934 Nuts

Applications : Exhaust Systems, TV Antennas, Signage Mountings

Double Edge Consolidation provides added safety and strength by restricting the saddle from expanding.

The welded strips eliminate the possibility of having the clamp come off.

| Size (in MM) |            |            |
|--------------|------------|------------|
| 70 MM S/W    | 102 MM S/W | 135 MM S/W |
| 76 MM S/W    | 105 MM S/W | 140 MM S/W |
| 80 MM S/W    | 106 MM S/W | 142 MM S/W |
| 83 MM S/W    | 110 MM S/W | 145 MM S/W |
| 85 MM S/W    | 115 MM S/W | 150 MM S/W |
| 88 MM S/W    | 120 MM S/W | 155 MM S/W |
| 90 MM S/W    | 124 MM S/W | 160 MM S/W |
| 92 MM S/W    | 125 MM S/W | 165 MM S/W |
| 95 MM S/W    | 128 MM S/W | 200 MM S/W |
| 100 MM S/W   | 130 MM S/W |            |





### $\frac{3}{8}$ " UNC Heavy Duty Double-Edge Closed-End U Bolt Clamp (Round or Flat U Bolt)

Available in : Zinc Plating, Stainless Steel 304, or Carbon Steel Ungalvanised (coated with oil)

Pre-assembled with Serrated Flange Nuts

Applications : Exhaust Systems, TV Antennas, Signage Mountings

Double Edge Consolidation provides added safety and strength by restricting the saddle from expanding.

The welded strips eliminate the possibility of having the clamp come off.

Custom Sizes Available on Request

| Available<br>Sizes (inch) |
|---------------------------|
| 3.00"                     |
| 3.25"                     |
| 3.50"                     |
| 4.00"                     |
| 4.50"                     |
| 5.00"                     |
| 5.50"                     |
| 6.00"                     |



### $\frac{3}{8}$ " UNC Heavy Duty Double-Edge Open End U Bolt Clamp (Round or Flat U Bolt)

Available in : Zinc Plating, Stainless Steel 304, or Carbon Steel Ungalvanised (coated with oil)  
Suitable for a wide range of non slotted pipe diameters.

Pre-assembled with Serrated Flange Nuts

Applications : Exhaust Systems, TV Antennas, Signage Mountings

Suitable for Lap Style Joint Connections

Custom Sizes Available on Request

| Available<br>Sizes (inch) |
|---------------------------|
| 3.00"                     |
| 3.25"                     |
| 3.50"                     |
| 4.00"                     |
| 4.50"                     |
| 5.00"                     |
| 5.50"                     |
| 6.00"                     |



## ARS Pipe Clamp (Volvo Exhaust Clamp)

Available in : Zinc Plating, Chrome-Plating, Stainless Steel 304

Bolt : M8 or M10 or M12 Hexagon Head Bolt (depending on diameter)

Pre-assembled with screw, nut, and 2 plain washers

Superior engineering of the clamp band ensures even pressures across the pipe circumference

Single Bolt Closure allows for easy installation.

This clamp offers a secure and reliable connection for pipes that are fitted into one another.

It is also a highly reliable choice for pipes that subject to temperature fluctuations.

Applications : Agricultural Machines, Building Machines, Exhaust Systems, Engine Manufacturing

Technical Data Sheets and Drawings are available upon request.

| Available Sizes (mm) |        |      |       |       |
|----------------------|--------|------|-------|-------|
| 27MM                 | 49.1MM | 67MM | 85MM  | 114MM |
| 30MM                 | 51MM   | 69MM | 87MM  | 120MM |
| 33MM                 | 54.5MM | 70MM | 90MM  | 128MM |
| 36MM                 | 55MM   | 71MM | 94MM  | 135MM |
| 38MM                 | 56MM   | 73MM | 96MM  | 142MM |
| 42MM                 | 58MM   | 74MM | 100MM | 147MM |
| 45MM                 | 61MM   | 77MM | 104MM | 159MM |
| 47MM                 | 63MM   | 80MM | 107MM |       |
| 48MM                 | 64MM   | 83MM | 110MM |       |



## Ribbed Saddle U Bolt Clamp

Available in : Zinc Plating, Stainless Steel 304, or Ungalvanised (coated with oil)  
 Available in : 3/8" UNC or 5/16" UNC Rolled Thread Round U Bolts  
 Pre-assembled with Serrated Flange Nuts  
 Applications : Exhaust Systems, TV Antennas, Signage  
 This clamp offers a lightweight alternative with outstanding strength and sealability.  
 Available optionally with slotted holes.  
 Also available in 11 GA Steel

Custom Sizes Available on Request

| Available Sizes (Inch) |        |       |
|------------------------|--------|-------|
| 1 1/8 "                | 2.00"  | 4.00" |
| 1.25"                  | 2 1/8" | 5.00" |
| 1 3/8 "                | 2.25"  | 6.00" |
| 1.50"                  | 2.50"  |       |
| 1 5/8 "                | 2.75"  |       |
| 1.75"                  | 3.00"  |       |
| 1 7/8 "                | 3.50"  |       |



## Guillotine Style Muffler Clamp

Available in : Trivalent Zinc Plating, Nickel Chrome-Plating, Stainless Steel 304  
 U Bolt : 3/8" UNC Round or 3/8" UNC Flat  
 Features:

- Superior sealability and versatility

Provides a complete 360 degree heavy duty seal.

| Available Sizes (Inch) |           |
|------------------------|-----------|
| 2 in.                  | 3.88 in.  |
| 2 1/4 in.              | 4 in.     |
| 2 1/2 in.              | 4.44 in.  |
| 2 3/4 in.              | 4 1/2 in. |
| 3 in.                  | 5 in.     |
| 3 1/4 in.              | 5 1/2 in. |
| 3 1/2 in.              | 6 in.     |



## DIN 71555 Clamp

Available in : Zinc Plating, Chrome-Plating, Stainless Steel 304

Bolt : M8 or M10 or M12 DIN603 Carriage Bolt (Depending on Diameter)

Pre-Assembled with Bolt, Nut, and Washer

Applications : Agricultural Machines, Building Machines, Engine Manufacturing

This clamp can also function as a fixing clip.

This clamp offers a secure connection for pipes that are fitted into one another.  
Custom Sizes are available upon request.

| Available Sizes (mm) |       |           |
|----------------------|-------|-----------|
| Size in Ø            | Width | Thickness |
| 30.2 MM              | 20 MM | 2 MM      |
| 32.2 MM              | 20 MM | 2 MM      |
| 35.2 MM              | 20 MM | 2 MM      |
| 37.2 MM              | 20 MM | 2 MM      |
| 40.3 MM              | 25 MM | 3 MM      |
| 42.3 MM              | 25 MM | 3 MM      |
| 45.5 MM              | 25 MM | 3 MM      |
| 48.5 MM              | 25 MM | 3 MM      |
| 50.5 MM              | 25 MM | 3 MM      |
| 53.5 MM              | 25 MM | 3 MM      |
| 55.5 MM              | 25 MM | 3 MM      |
| 58.5 MM              | 25 MM | 3 MM      |
| 60.5 MM              | 25 MM | 3 MM      |
| 63.5 MM              | 25 MM | 3 MM      |
| 65.5 MM              | 25 MM | 3 MM      |
| 68.5 MM              | 25 MM | 3 MM      |
| 70.5 MM              | 30 MM | 4 MM      |
| 73.5 MM              | 30 MM | 4 MM      |
| 75.5 MM              | 30 MM | 4 MM      |
| 78.5 MM              | 30 MM | 4 MM      |
| 80.5 MM              | 30 MM | 4 MM      |
| 83.5 MM              | 30 MM | 4 MM      |
| 85.5 MM              | 30 MM | 4 MM      |
| 90.5 MM              | 30 MM | 4 MM      |
| 94.5 MM              | 30 MM | 4 MM      |
| 100.5 MM             | 30 MM | 4 MM      |
| 102.5 MM             | 30 MM | 4 MM      |
| 104.5 MM             | 30 MM | 4 MM      |
| 108.5 MM             | 30 MM | 4 MM      |
| 110.5 MM             | 30 MM | 4 MM      |
| 114.5 MM             | 30 MM | 4 MM      |
| 120.5 MM             | 30 MM | 4 MM      |
| 124.5 MM             | 30 MM | 4 MM      |
| 127.5 MM             | 30 MM | 4 MM      |
| 130.5 MM             | 30 MM | 4 MM      |
| 134.5 MM             | 30 MM | 4 MM      |
| 152.5 MM             | 30 MM | 4 MM      |
| 168.5 MM             | 30 MM | 4 MM      |
| 220.5 MM             | 30 MM | 4 MM      |
| 250.5 MM             | 30 MM | 4 MM      |
| 255.5 MM             | 30 MM | 4 MM      |
| 273.5 MM             | 30 MM | 4 MM      |
| 275.5 MM             | 30 MM | 4 MM      |
| 300.5 MM             | 30 MM | 4 MM      |



## SEAL CLAMP

Available in : Zinc Plating, Stainless Steel 304  
Custom Sizes are available upon request.

| Available Sizes (inch) |         |       |
|------------------------|---------|-------|
| 2 in.                  | 3 ⅛ in. | 5 in. |
| 2 ¼ in.                | 3 ¼ in. | 6 in. |
| 2 ⅜ in.                | 3 ½ in. |       |
| 2 ½ in.                | 4 in.   |       |
| 2 ⅝ in.                | 4 ⅜ in. |       |
| 2 ¾ in.                | 4 ½ in. |       |
| 3 in.                  | 4 ¾ in. |       |



## FLAT CLAMP

Available in : Zinc Plating, Stainless Steel 304  
Custom Sizes are available upon request.

| Available Sizes |         |
|-----------------|---------|
| 50mm            | 101.6mm |
| 57mm            | 108mm   |
| 60mm            | 114.3mm |
| 63.5mm          | 127mm   |
| 70mm            | 138mm   |
| 76.2mm          | 152mm   |
| 88.9mm          |         |



## Flexible Tight-Seal Clamp / Lap Joint Clamp

Available in : Zinc Plating, Chrome-Plating, Stainless Steel 304

Causes no damaging distortion to pipe or flex. Band is designed for maximum stretch and tight take-up.

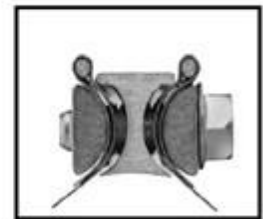
The reaction block provides a full 360-degree equal distribution of stretching forces and a complete seal.

| A (mm) | A (inch) | B (mm) | B (inch) |
|--------|----------|--------|----------|
| 50     | 2        | 55     | 2.25     |
| 57     | 2.25     | 62     | 2.50     |
| 63.5   | 2.5      | 67     | 2.75     |
| 70     | 2.75     | 75     | 3.00     |
| 76.2   | 3        | 81.2   | 3.25     |
| 88.9   | 3.5      | 93.6   | 3.50     |
| 100    | 3.875    | 105    | 4.00     |
| 101.6  | 4        | 106.6  | 4.00     |
| 114.3  | 4.5      | 119    | 4.50     |
| 120    | 4.75     | 125    | 4.75     |
| 127    | 5        | 132    | 5.00     |
| 152    | 6        | 158    | 6.00     |

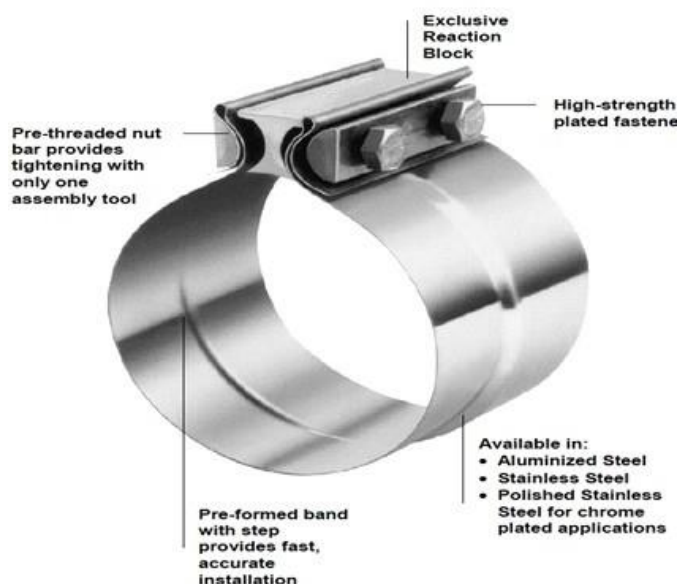
Unitized assembly. NO LOOSE hardware. Slides into place, installs easily and reliably.



The reaction block transfers bolt torque into clamp strength and an assured seal.



**The simple, effective way to connect exhaust system components. Replaces U-bolts and clamps.**  
*Exclusive design makes for fast, easy and accurate installation.*





## RXD Drainage Clamp

Available in: Trivalent Zinc Plating, Stainless Steel 304

Bolt: Hexagonal Head

Sealing Sleeve - Material: EPDM

Advantages:

- Fast and Easy installation
- Suitable for Repair Purposes

| Available Sizes (Pipe Diameter ) |
|----------------------------------|
| 65mm                             |
| 85mm                             |
| 90mm                             |
| 115mm                            |
| 140mm                            |
| 170mm                            |
| 220mm                            |
| 286mm                            |
| 338mm                            |



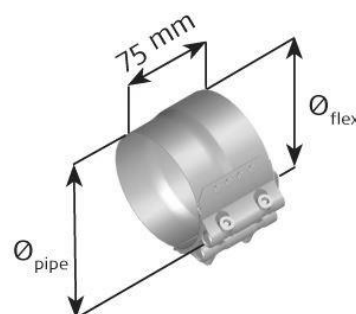
## Flexible Fit Clamp Buttfrit

Available in: Trivalent Zinc Plating, Stainless Steel 304

Bolt: Allen Socket Head (x2)

- Stepped strap accommodates flexible pipe for fast, accurate, and easy installation.
- Strong, reliable, lightweight, and flexible.
- Cylindrical trunnions allow the screws to self-center to optimise performance.
- Tolerates flex-variations of 2mm on diameter and clamps can be re-tightened.
- Maximum recommended torque = 25 Nm
- Stepping bridge provides a 360 degree force distribution.

| A (mm) | A (inch) | B (mm) | B (inch) |
|--------|----------|--------|----------|
| 50     | 2        | 55     | 2.25     |
| 57     | 2.25     | 62     | 2.50     |
| 63.5   | 2.5      | 67     | 2.75     |
| 70     | 2.75     | 75     | 3.00     |
| 76.2   | 3        | 81.2   | 3.25     |
| 88.9   | 3.5      | 93.6   | 3.50     |
| 100    | 3.875    | 105    | 4.00     |
| 101.6  | 4        | 106.6  | 4.00     |
| 114.3  | 4.5      | 119    | 4.50     |
| 120    | 4.75     | 125    | 4.75     |
| 127    | 5        | 132    | 5.00     |
| 152    | 6        | 158.0  | 6.00     |



## INVICTA T-Bolt Hose Clamp

Available in: Trivalent Zinc Plating, Nickel Chrome-Plating, Stainless Steel 304, Stainless Steel 316

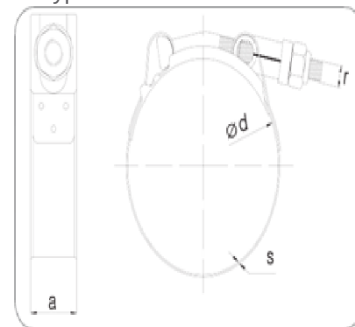
Bolt: T Bolt Grade 8.8, Sheet Thickness : 0.6mm or 1.5mm, Band Width : 20mm ( $\frac{3}{4}$ " )

Custom Sizes available

This high strength clamp is designed for industrial, marine and vehicle applications.

T-bolt clamps provide higher tensile strength, durability, and corrosion resistance than typical worm clamp

| I.D. Min (in) | I.D. Max (in) | I.D. Min (mm) | I.D. Max (mm) |
|---------------|---------------|---------------|---------------|
| 1.38          | 1.57          | 35.1          | 39.9          |
| 1.5           | 1.69          | 38.1          | 42.9          |
| 1.63          | 1.88          | 41.3          | 47.8          |
| 1.75          | 2             | 44.5          | 50.8          |
| 1.88          | 2.19          | 47.6          | 55.6          |
| 2             | 2.31          | 50.8          | 58.7          |
| 2.13          | 2.44          | 54.1          | 62            |
| 2.25          | 2.56          | 57.2          | 65            |
| 2.38          | 2.69          | 60.3          | 68.3          |
| 2.5           | 2.81          | 63.5          | 71.4          |
| 2.63          | 2.94          | 66.7          | 74.7          |
| 2.75          | 3.06          | 69.9          | 77.7          |
| 2.88          | 3.19          | 73            | 81            |
| 3             | 3.31          | 76.2          | 84.1          |
| 3.13          | 3.44          | 79.4          | 87.4          |
| 3.25          | 3.56          | 82.6          | 90.4          |
| 3.38          | 3.69          | 85.7          | 93.7          |
| 3.5           | 3.81          | 88.9          | 96.8          |
| 3.63          | 3.94          | 92.1          | 100.1         |
| 3.75          | 4.06          | 95.3          | 103.1         |
| 4             | 4.31          | 101.6         | 109.5         |
| 4.25          | 4.56          | 108           | 115.8         |
| 4.5           | 4.81          | 114.3         | 122.2         |
| 4.75          | 5.06          | 120.7         | 128.5         |
| 5             | 5.31          | 127           | 134.9         |
| 5.25          | 5.56          | 133.4         | 141.2         |
| 5.5           | 5.81          | 139.7         | 147.6         |
| 5.75          | 6.06          | 146.1         | 153.9         |
| 6             | 6.31          | 152.4         | 160.3         |
| 6.25          | 6.56          | 158.8         | 166.6         |
| 6.5           | 6.81          | 165.1         | 173           |
| 6.75          | 7.06          | 171.5         | 179.3         |
| 7             | 7.31          | 177.8         | 185.7         |
| 7.25          | 7.56          | 184.2         | 192           |
| 7.5           | 7.81          | 190.5         | 198.4         |
| 7.75          | 8.06          | 196.9         | 204.7         |
| 8             | 8.31          | 203.2         | 211.1         |
| 8.25          | 8.56          | 209.6         | 217.4         |
| 8.5           | 8.81          | 215.9         | 223.8         |



| W Material |                          |                   |
|------------|--------------------------|-------------------|
| Symbol     | Tape/Band                | Bolt              |
| <b>W2</b>  | AISI 430 Stainless Steel | 20 MnB4 Zn Plated |
| <b>W3</b>  | AISI 304 Stainless Steel | 20 MnB4 Zn Plated |

## DTS Series Circular Band Clamp

Available in: Trivalent Zinc Plating, Stainless Steel 304, Black Powder

Coating Bent or Straight Bolt options available

| Available Sizes | (inch)   |
|-----------------|----------|
| 2 in.           | 4.00 in. |
| 2.13 in.        | 4.25 in. |
| 2.25 in.        | 4.50 in. |
| 2.50 in.        | 5.00 in. |
| 2.75 in.        | 5.50 in. |
| 3.00 in.        | 6.00 in. |
| 3.25 in.        | 7.00 in. |
| 3.50 in.        | 8.00 in. |
| 3.88 in.        |          |



## MINI CLAMP Jaw Fastening Clamp (DIN 3016-2, DIN 3017-2)

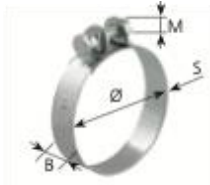
Available in: Trivalent Zinc Plating, Stainless Steel 304

Bolt: Allen Socket Head

Pre-Assembled with bolt, nut and washer

Suitable for small thin walled hoses.

Clamp secured nut.



Available Sizes (mm)

|       |       |         |         |
|-------|-------|---------|---------|
| 29-31 | 56-59 | 92-97   | 149-161 |
| 32-35 | 60-63 | 98-103  | 162-174 |
| 36-39 | 64-67 | 104-112 | 175-187 |
| 40-43 | 68-73 | 113-121 | 188-200 |
| 44-47 | 74-79 | 122-130 | 201-213 |
| 48-51 | 80-85 | 131-139 |         |
| 52-55 | 86-91 | 140-148 |         |

## Flexible Fit Clamp Standard

Available in : Trivalent Zinc Plating, Stainless Steel 304

| A (mm) | A (inch) | B (mm) | B (inch) |
|--------|----------|--------|----------|
| 50     | 2        | 55     | 2.25     |
| 57     | 2.25     | 62     | 2.50     |
| 63.5   | 2.5      | 67     | 2.75     |
| 70     | 2.75     | 75     | 3.00     |
| 76.2   | 3        | 81.2   | 3.25     |
| 88.9   | 3.5      | 93.6   | 3.50     |
| 100    | 3.875    | 105    | 4.00     |
| 101.6  | 4        | 106.6  | 4.00     |
| 114.3  | 4.5      | 119    | 4.50     |
| 120    | 4.75     | 125    | 4.75     |
| 127    | 5        | 132    | 5.00     |
| 152    | 6        | 158    | 6.00     |



## Clamp Collar Hook for Swings (Round)

Band schommelhaken | Manschettenhaken | Crochets avec bande de tension  
Available in : Carbon Steel with Zinc Plating

| Available Sizes (mm) | Thickness (mm) |
|----------------------|----------------|
| 50mm                 | 2mm            |
| 50mm                 | 2.5mm          |
| 70mm                 | 2.5mm          |
| 80mm                 | 2mm            |
| 80mm                 | 2.5mm          |
| 80mm                 | 3mm            |
| 80mm                 | 4mm            |
| 90mm                 | 2.5mm          |
| 90mm                 | 3mm            |
| 97mm                 | 3mm            |
| 97mm                 | 4mm            |
| 100mm                | 3mm            |
| 120mm                | 3mm            |



## Clamp Collar Hook for Swings (Square)

Band schommelhaken | Manschettenhaken | Crochets avec bande de tension  
Available in : Carbon Steel with Zinc Plating  
Width = 35mm

| Available Sizes (mm) | Thickness (mm) |
|----------------------|----------------|
| 45x70mm              | 3mm            |
| 70x70mm              | 2.5mm          |
| 90x90mm              | 2.5mm          |



## HeavyDutyClamp(VAGExhaustClamp)

Available in: Zinc Plating, Stainless Steel 304

Bolt: 8x50 or 10x55 or 12x40 DIN603 Carriage Bolt 8.8

Pre-assembled with DIN603 Bolt, DIN125 spring-washer, and DIN934 hexagonal-nut

Available in 2 designs

| Available Sizes (mm) |        |        |         |
|----------------------|--------|--------|---------|
| 23.5mm               | 51.5mm | 64.5mm | 100.5mm |
| 28.5mm               | 52.5mm | 65.5mm | 104.5mm |
| 32.5mm               | 53.5mm | 68.5mm | 107.5mm |
| 38.5mm               | 54.5mm | 70.5mm | 110.5mm |
| 41.5mm               | 55.5mm | 73.5mm | 114.5mm |
| 42.5mm               | 56.5mm | 75.5mm | 120.5mm |
| 44.5mm               | 57.5mm | 78.5mm | 124.5mm |
| 45.5mm               | 58.5mm | 80.5mm | 127.5mm |
| 46.7mm               | 59.5mm | 85.5mm | 130.5mm |
| 48.5mm               | 60.5mm | 89.5mm | 133.5mm |
| 49.5mm               | 62.5mm | 90.5mm |         |
| 50.5mm               | 63.5mm | 94.5mm |         |



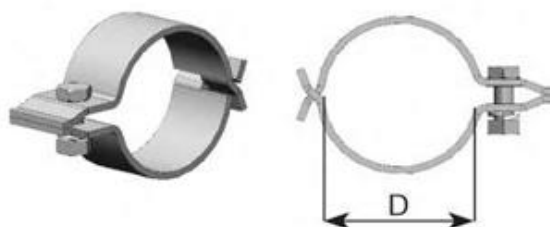
## Hinge Clamp

Available in: Zinc Plating (Mild Steel ST-37)

Bolt: DIN603 (M8 or M10 or M12 depending on diameter)

Pre-assembled with nut and washer

| Available Sizes | (mm)    |
|-----------------|---------|
| 53.5mm          | 85.5mm  |
| 55.5mm          | 90.5mm  |
| 58.5mm          | 94.5mm  |
| 60.5mm          | 100.5mm |
| 63.5mm          | 104.5mm |
| 65.5mm          | 110.5mm |
| 68.5mm          | 114.5mm |
| 70.5mm          | 120.5mm |
| 73.5mm          | 124.5mm |
| 75.5mm          | 127.5mm |
| 78.5mm          | 130.5mm |
| 80.5mm          |         |



## Worm Drive Hose Clamp (in accordance with DIN 3017-1)

Available in: Zinc Plating (Mild Steel), Stainless Steel 304, Stainless Steel 316 (W1/W2/W3/W4/W5)

Applications: Automotive, Irrigation, General Purpose, Marine, Industrial, Oil Lines, Construction

Bolt: Hexagonal Head with screwdriver slot

Additional diameters available on request up to 710mm

Smooth or stamped inside of band is designed to prevent hose damage (non-perforated)

Low free torque for easy installation. Torque Tables available on request.

Technically advanced design for superior sealing.

Short housing saddles provides even distribution of clamping pressure.

| Clamping Range (mm) | Width (mm) |
|---------------------|------------|
| 8 - 12              | 7.5        |
| 10 - 16             | 7.5        |
| 12 - 18             | 7.5        |
| 12 - 22             | 7.5        |
| 16 - 27             | 7.5        |
| 8 - 12              | 9          |
| 8 - 16              | 9          |
| 12 - 22             | 9          |
| 16 - 27             | 9          |
| 20 - 32             | 9          |
| 23 - 35             | 9          |
| 25 - 40             | 9          |
| 30 - 45             | 9          |
| 35 - 50             | 9          |
| 40 - 60             | 9          |
| 50 - 70             | 9          |
| 60 - 80             | 9          |
| 70 - 90             | 9          |
| 80 - 100            | 9          |
| 90 - 110            | 9          |
| 100 - 120           | 9          |
| 110 - 130           | 9          |
| 120 - 140           | 9          |
| 130 - 150           | 9          |
| 140 - 160           | 9          |
| 16 - 27             | 12         |
| 20 - 32             | 12         |
| 23 - 35             | 12         |
| 25 - 40             | 12         |
| 30 - 45             | 12         |
| 35 - 50             | 12         |
| 40 - 60             | 12         |
| 50 - 70             | 12         |
| 60 - 80             | 12         |
| 70 - 90             | 12         |
| 80 - 100            | 12         |
| 90 - 110            | 12         |
| 100 - 120           | 12         |
| 110 - 130           | 12         |
| 120 - 140           | 12         |
| 130 - 150           | 12         |
| 140 - 160           | 12         |



- 1 Improved asymmetric housing**  
– even distribution of forces and safe assembly
- 2 Screw support**  
– ease of assembly due to the safe guidance of the emerging band end
- 3 Material and clamping range stamped on the band**  
– prevention of errors
- 4 Asymmetric extension**  
– prevents the housing from tilting over when the clamp is tightened
- 5 Short housing saddle**  
– even contact pressure  
– improved efficiency
- 6 Smooth or stamped inside of band**  
– optimal hose protection

| W Malzeme - W Material |                   |                  |
|------------------------|-------------------|------------------|
| Symbol                 | Vida - Bolt       | Bant - Tape      |
| <b>W1</b>              | 20 MnB4 Zn Plated | 1.0347 Zn Plated |





## Constant Torque Worm Drive Clamp

Available in: SS 304 Band with SS 410 Screw

Band Width: 14.2mm or 15.8 mm

| Available Size | (mm)      |
|----------------|-----------|
| 24 - 45        | 108 - 130 |
| 21 - 38        | 121 - 143 |
| 21 - 45        | 133 - 156 |
| 27 - 51        | 146 - 168 |
| 32 - 54        | 159 - 181 |
| 45 - 67        | 171 - 194 |
| 57 - 79        | 184 - 206 |
| 70 - 92        | 197 - 219 |
| 83 - 105       | 210 - 232 |
| 95 - 117       |           |



## Mini Hose Clamp

A lightweight, streamlined hose clamp generally used in small-diameter applications, such as air and fuel lines.

5/16" Band with Arcial Perforations | Three-Piece Construction | SAE Standard J1508 Type

M | Diameter Range 7/32" – 2 1/2"

Available in: Trivalent Zinc Plating, Stainless Steel 201 or 304 (W1 / W2 / W3 / W4)

Band Width: 8mm

| Available Size | (mm)          |
|----------------|---------------|
| 6 - 16         | 7/32 - 5/8    |
| 8 - 22         | -             |
| 11 - 20        | 7/16 - 25/32  |
| 14 - 27        | 9/16 - 1 1/16 |



- 3500 MINI**  
1/4" Plated Hex Screw  
5/16" Band in 300-Series SS  
One-Piece Housing in 300-Series SS
- 3600 MINI**  
1/4" 410 Stainless Steel Hex Screw  
5/16" Band in 300-Series SS  
One-Piece Housing in 300-Series SS
- 3700 MINI**  
1/4" 300-Series SS Hex Screw  
5/16" Band in 300-Series SS  
One-Piece Housing in 300-Series SS
- 3800 MINI**  
1/4" 316 Stainless Steel Hex Screw  
5/16" Band in 316 Stainless Steel  
One-Piece Housing in 316 Stainless Steel

## Tight Fit Clamp

Available in: Zinc Plating (Mild Carbon Steel), Stainless 304, Stainless Steel 316,  
Nickel-Chrome Plating

Bolt: Socket Head (Quick-Latch Hook-In)

Pre-assembled with bolt and cylindrical trunnions.

No loose parts, and no need to separate pipes before clamping.

Designed to connect exhaust pipes with slotted ends.

Strong, reliable, lightweight, and flexible.

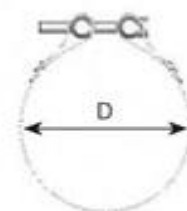
Spot Welds eliminate the risk of fatigue failure.

Cylindrical Trunnions allow the screw to self-centre.

Design can tolerate variations in diameter of +/- 2mm

No sharp burrs.

| Size (mm) | Size (inch) |
|-----------|-------------|
| 51 - 54   | 2           |
| 54 - 57   | 2 ¼         |
| 60 - 63   | 2.375       |
| 64 - 67   | 2 ½         |
| 66 - 69   | 2 ⅝         |
| 71 - 74   | 2 ¾         |
| 78 - 81   | 3           |
| 81 - 84   | 3 ⅛         |
| 86 - 89   | 3 ⅓         |
| 90 - 93   | 3 ½         |
| 91 - 94   | 3 ½         |
| 101 - 105 | 4           |
| 102 - 106 | 4           |
| 111 - 116 | 4 3/8       |
| 115 - 119 | 4 ½         |
| 122 - 127 | 4 ¾         |
| 128 - 132 | 5           |
| 153 - 158 | 6           |



## Pipe Fit Clamp

Available in: Zinc Plating, Stainless Steel 304, Stainless Steel 316

Bolt: Socket Head

Pre-assembled with bolt and two barrel nuts.

Band Width : 35mm

| Size (mm) | Size (inch) |
|-----------|-------------|
| 51 - 54   | 2           |
| 54 - 57   | 2 ¼         |
| 60 - 63   | 2.375       |
| 64 - 67   | 2 ½         |
| 66 - 69   | 2 ⅝         |
| 71 - 74   | 2 ¾         |
| 78 - 81   | 3           |
| 81 - 84   | 3 ⅛         |
| 86 - 89   | 3 ⅓         |
| 90 - 93   | 3 ½         |
| 91 - 94   | 3 ½         |
| 101 - 105 | 4           |
| 102 - 106 | 4           |
| 111 - 116 | 4 3/8       |
| 115 - 119 | 4 ½         |
| 122 - 127 | 4 ¾         |
| 128 - 132 | 5           |
| 153 - 158 | 6           |



## Double Wire Clamp

Available in : Trivalent Zinc Plating

Bolt : Phillips Socket Head

Highly suited to soft and semi-rigid hoses, with spiral or braided reinforcement.

Applications : Agricultural, Irrigation, Automotive, General Industry, HVAC

| Available Sizes (mm) |           |           |
|----------------------|-----------|-----------|
| 9.5 - 12             | 41 - 46   | 120 - 128 |
| 10.5 - 13            | 43.5 - 49 | 124 - 132 |
| 11.5 - 14            | 46.5 - 53 | 125 - 140 |
| 12.5 - 15            | 50.5 - 56 | 134 - 150 |
| 13 - 16              | 53.5 - 60 | 145 - 160 |
| 13.5 - 17            | 56.5 - 64 | 150 - 165 |
| 15 - 18              | 60 - 68   | 155 - 170 |
| 15.5 - 19            | 64 - 72   | 165 - 180 |
| 17 - 20              | 68.5 - 76 | 175 - 190 |
| 17.5 - 21            | 72.5 - 80 |           |
| 18.5 - 22            | 76.5 - 84 |           |
| 19 - 23              | 80 - 88   |           |
| 21.5 - 25.5          | 84 - 92   |           |
| 23.5 - 27            | 88 - 96   |           |
| 25 - 29              | 92 - 100  |           |
| 27 - 31              | 95 - 104  |           |
| 29 - 33              | 98 - 108  |           |
| 30.5 - 35            | 103 - 112 |           |
| 33 - 37              | 109 - 116 |           |
| 35.5 - 40.5          | 111 - 120 |           |
| 38.5 - 43            | 115 - 124 |           |



## Double Ear Clamp

Available in : Trivalent Zinc Plating

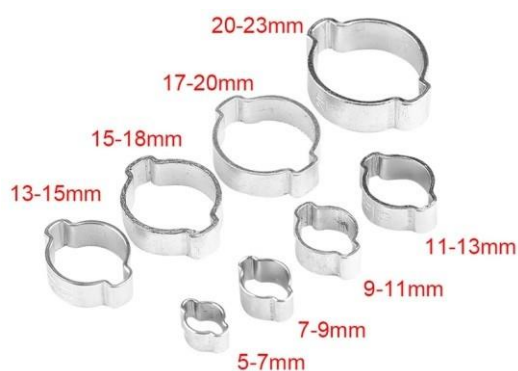
Suitable for use on compressed air, liquid, and gas lines

A simple and economical situation for many difficult tightening and sealing problems

The ear of clamp is passed over the material that is to be mounted and then squeezed together with pliers

### Available Sizes (mm)

|          |           |
|----------|-----------|
| 24 - 45  | 95 - 117  |
| 21 - 38  | 108 - 130 |
| 21 - 45  | 121 - 143 |
| 27 - 51  | 133 - 156 |
| 32 - 54  | 146 - 168 |
| 45 - 67  | 159 - 181 |
| 57 - 79  | 171 - 194 |
| 70 - 92  | 184 - 206 |
| 83 - 105 | 197 - 219 |



## RSS Clamp

Available in: Trivalent Zinc Plating, Stainless Steel 304

### Available Sizes (mm)

|         |           |           |
|---------|-----------|-----------|
| 40 - 43 | 72 - 76   | 149 - 161 |
| 44 - 47 | 80 - 85   | 162 - 174 |
| 48 - 51 | 86 - 91   | 175 - 187 |
| 52 - 55 | 92 - 97   | 188 - 200 |
| 56 - 59 | 98 - 103  | 201 - 213 |
| 58 - 61 | 104 - 112 | 214 - 226 |
| 60 - 63 | 113 - 121 | 227 - 239 |
| 64 - 67 | 122 - 130 | 260 - 270 |
| 68 - 73 | 140 - 148 | 313 - 323 |
| 74 - 79 | 131 - 139 | 320 - 330 |



## FLAT CLAMPBUTTFIT

Available in: Trivalent Zinc Plating, Stainless Steel 304

Designed to connect exhaust pipes end-to-end.

Strong, reliable, lightweight, and flexible.

No need to separate pipes before clamping.

Simply torque the socket cap screws for fast assembly.

Available for pipe sizes from 50.8 to 152.0mm.

Maximum Recommended Torque = 25Nm

75mm wide strap allows for fast, accurate, and easy installation.

Bridging Seal helps provide a 360-degree seal.

Cylindrical Trunnions allow the screw to self-centre.

Spot welds insure against fatigue failures.

| Size (mm) | Size (inch) |
|-----------|-------------|
| 50.8      | 2           |
| 57        | 2 ¼         |
| 60.3      | 2 ½         |
| 63.5      | 2 ½         |
| 69.9      | 2 ¾         |
| 76.2      | 3           |
| 88.9      | 3 ½         |
| 101.6     | 4           |
| 108       | 4 ½         |
| 114.3     | 4 ½         |
| 127       | 5           |
| 140       | 5 ½         |
| 152       | 6           |



## FLAT SEAL CLAMP COUPLER/BUTT JOINT CLAMP

Available in: Trivalent Zinc Plating, Stainless Steel 304, Stainless Steel 409

Provides joint serviceability

Does not require pipe overlap

Pre-assembled - easy installation

Unique sealing performance

Superior clamp load capability

| Size (mm) | Size (inch) |
|-----------|-------------|
| 50.8      | 2           |
| 57        | 2 ¼         |
| 60.3      | 2 ½         |
| 63.5      | 2 ½         |
| 69.9      | 2 ¾         |
| 76.2      | 3           |
| 88.9      | 3 ½         |
| 101.6     | 4           |
| 108       | 4 ½         |
| 114.3     | 4 ½         |
| 127       | 5           |
| 140       | 5 ½         |
| 152       | 6           |



## BALL ZONE EXHAUST GAS CLAMP

Available in: Trivalent Zinc Plating, Stainless Steel 304

The Ball Zone Exhaust Gas Clamps are the ideal solution when it comes to making connections in central and rear exhaust gas areas.

When used in conjunction with flange joints, it is possible to swivel silencers during installation.

Applications: Agricultural Machines, Building Machines, Engine Manufacturing

ADVANTAGES :

1. Angle Compensation in Exhaust Gas System
2. Silencers can be swiveled during installation
3. Easier installation and removal
4. Higher Torsion moments than conventional ball shaped flange connections
5. Low Leakage
6. Low Weight

| Available Sizes         |
|-------------------------|
| 55mm - 65mm (2 3/16" )  |
| 60mm - 69.5mm (2 3/8" ) |
| 65mm - 75mm (2 9/16" )  |
| 70mm - 81.5mm (2 3/4" ) |





## CIRCLE CLAMP

Available in: Trivalent Zinc Plating (9 micron min.)

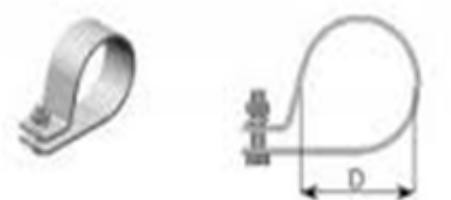
| Available Sizes      |
|----------------------|
| 76mm - 82mm (3" )    |
| 83mm - 94mm (3 ½ " ) |
| 95mm - 107mm (4" )   |
| 108mm - 114mm (4 ¼") |
| 115mm - 119mm (4 ½") |
| 120mm - 132mm (5")   |
| 142mm - 154mm (6")   |



## P-Type Pipe Clamps

Available in: Trivalent Zinc Plating, Stainless Steel 304

| Available Sizes (D) |
|---------------------|
| 60mm (2 ⅜" )        |
| 75mm (3" )          |
| 80mm (3 ⅛" )        |
| 90mm (3 ⅓")         |
| 110mm (4 ⅜")        |
| 120mm (4 ¾ ")       |



## Spring-Loaded T-Bolt Clamp

Available in: Trivalent Zinc Plating, Stainless Steel 304 (W1 / W2 / W3/ W4)

Band Width: 19mm



| Size (mm) | Size (inch)    |
|-----------|----------------|
| 57 - 65   | 2 ¼ - 2 9/16   |
| 60 - 68   | 2 ⅜ - 2 11/16  |
| 64 - 71   | 2 ½ - 2 13/16  |
| 67 - 75   | 2 ⅝ - 2 15/16  |
| 67 - 78   | 2 ¾ - 3 1/16   |
| 73 - 81   | 2 ⅞ - 3 3/16   |
| 76 - 84   | 3 - 3 5/16     |
| 78 - 86   | 3 1/16 - 3 3/8 |
| 79 - 87   | 3 ⅛ - 3 7/16   |
| 83 - 91   | 3 ¼ - 3 9/16   |
| 86 - 94   | 3 ⅜ - 3 11/16  |
| 89 - 97   | 3 ½ - 3 13/16  |
| 90 - 98   | 3 9/16 - 3 ⅞   |
| 92 - 100  | 3 ⅝ - 3 15/16  |
| 95 - 103  | 3 ¾ - 4 1/16   |
| 102 - 110 | 4 - 4 5/16     |
| 103 - 111 | 4 1/16 - 4 ⅜   |
| 105 - 113 | 4 ⅛ - 4 7/16   |
| 108 - 116 | 4 ¼ - 4 9/16   |
| 114 - 122 | 4 ½ - 4 13/16  |
| 116 - 124 | 4 9/16 - 4 ⅞   |
| 121 - 129 | 4 ¾ - 5 1/16   |
| 127 - 135 | 5 - 5 5/16     |



## Lined Hose Clamp

Available in: Trivalent Zinc Plating, Stainless Steel 201 or 304 (W1 / W2 / W3 / W4)

Band Width: 12.7mm

| Size (mm) | Size (inch)     |
|-----------|-----------------|
| 11 - 20   | 7/16 - 25/32    |
| 13 - 23   | 1/2 - 29/32     |
| 14 - 27   | 9/16 - 1 1/16   |
| 17 - 32   | 11/16 - 1 1/4   |
| 21 - 38   | 13/16 - 1 1/2   |
| 21 - 44   | 13/16 - 1 3/4   |
| 27 - 51   | 1 1/16 - 2      |
| 33 - 57   | 1 5/16 - 2 1/4  |
| 40 - 64   | 1 9/16 - 2 1/2  |
| 46 - 70   | 1 13/16 - 2 3/4 |
| 52 - 76   | 2 1/16 - 3      |
| 59 - 83   | 2 5/16 - 3 1/4  |
| 65 - 89   | 2 9/16 - 3 1/2  |
| 71 - 95   | 2 13/16 - 3 3/4 |
| 78 - 102  | 3 1/16 - 4      |
| 84 - 108  | 3 5/16 - 4 1/4  |
| 91 - 114  | 3 9/16 - 4 1/2  |
| 48 - 127  | 1 ? - 5         |
| 64 - 140  | 2 1/2 - 5 1/2   |
| 79 - 152  | 3 ? - 6         |
| 92 - 165  | 3 ? - 6 1/2     |
| 105 - 178 | 4 ? - 7         |



## Spring Steel Wire Hose Clamp

Available in: Trivalent Zinc Plating, Stainless Steel 201 or 304

| Diameter (mm) | Width (mm) | Thickness (mm) |
|---------------|------------|----------------|
| 4             | 6          | 0.4            |
| 5             | 6          | 0.6            |
| 6             | 6          | 0.6            |
| 7             | 6          | 0.6            |
| 8             | 8          | 0.8            |
| 9             | 8          | 0.8            |
| 9.5           | 8          | 0.8            |
| 10            | 8          | 0.8            |
| 10.5          | 8          | 0.8            |
| 11            | 8          | 0.8            |
| 11.5          | 8          | 0.8            |
| 12.5          | 8          | 0.8            |
| 13            | 10         | 1              |
| 13.5          | 10         | 1              |
| 14            | 10         | 1              |
| 14.5          | 10         | 1              |
| 15            | 10         | 1              |
| 16            | 12         | 1              |
| 17            | 12         | 1              |
| 18            | 12         | 1              |
| 19            | 12         | 1              |
| 20            | 12         | 1              |
| 21            | 12         | 1              |
| 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              |
| 52            | 15         | 2              |
| 60            | 15         | 2.5            |



## P-Clips (in accordance with DIN3016)

Available in: Zinc Plating, Stainless Steel 304 (1.4301)

Applications : Machines, White Goods, Irrigation Systems, Chemical Industry, Ship Manufacturing, Pumps

Advantages : Easy Installation, Reinforced Band Ends for extremely high mechanical loads

| MATERIAL REPORT               |                   |
|-------------------------------|-------------------|
| Material characteristics:     | EPDM Profile      |
| Colour                        | Black             |
| Shore hardness A              | 64-65             |
| Tensile strength              | Minimum 8 N/mm    |
| Temperature                   | -40°C up to 120°C |
| Breaking resistance           | 64-65 Kg/cm       |
| Elongation at break (%)       | 315-335           |
| Resistance against weather    | Very good         |
| Resistance against ozone      | Very good         |
| Resistance against oil/grease | Good              |
| Resistance against petrol     | Good              |
| Resistance against acid       | Good              |



| Diam. | Band Width<br>mm | Hole<br>mm |
|-------|------------------|------------|
| 5     | 12               | 5,3        |
| 6     | 12               | 5,3        |
| 7     | 12               | 5,3        |
| 8     | 12               | 5,3        |
| 9     | 12               | 5,3        |
| 10    | 12               | 5,3        |
| 11    | 12               | 5,3        |
| 12    | 12               | 5,3        |
| 13    | 12               | 5,3        |
| 14    | 12               | 5,3        |
| 15    | 12               | 5,3        |
| 16    | 12               | 5,3        |
| 17    | 12               | 5,3        |
| 18    | 12               | 5,3        |
| 19    | 12               | 5,3        |
| 20    | 12               | 5,3        |
| 21    | 12               | 5,3        |
| 22    | 12               | 5,3        |
| 23    | 12               | 5,3        |
| 24    | 12               | 5,3        |
| 25    | 12               | 5,3        |

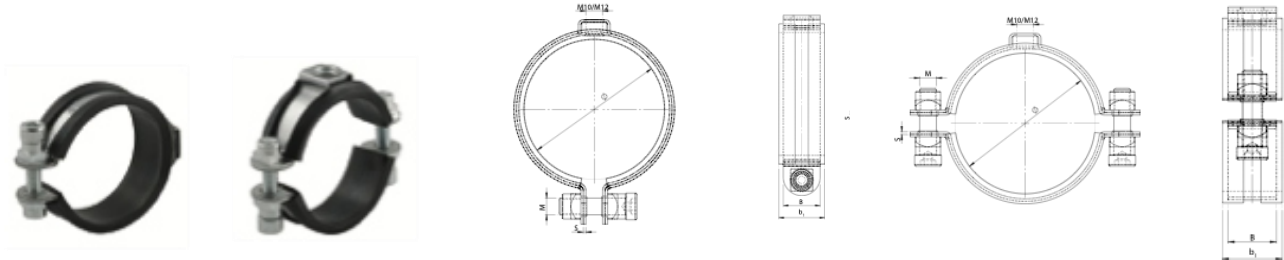
| Diam. | Band Width<br>mm | Hole<br>mm |
|-------|------------------|------------|
| 5     | 15               | 6,4        |
| 6     | 15               | 6,4        |
| 7     | 15               | 6,4        |
| 8     | 15               | 6,4        |
| 9     | 15               | 6,4        |
| 10    | 15               | 6,4        |
| 11    | 15               | 6,4        |
| 12    | 15               | 6,4        |
| 13    | 15               | 6,4        |
| 14    | 15               | 6,4        |
| 15    | 15               | 6,4        |
| 16    | 15               | 6,4        |
| 17    | 15               | 6,4        |
| 18    | 15               | 6,4        |
| 19    | 15               | 6,4        |
| 20    | 15               | 6,4        |
| 21    | 15               | 6,4        |
| 22    | 15               | 6,4        |
| 23    | 15               | 6,4        |
| 24    | 15               | 6,4        |
| 25    | 15               | 6,4        |
| 26    | 15               | 6,4        |
| 27    | 15               | 6,4        |
| 28    | 15               | 6,4        |
| 29    | 15               | 6,4        |
| 30    | 15               | 6,4        |
| 31    | 15               | 6,4        |
| 32    | 15               | 6,4        |
| 33    | 15               | 6,4        |
| 34    | 15               | 6,4        |
| 35    | 15               | 6,4        |
| 36    | 15               | 6,4        |
| 37    | 15               | 6,4        |
| 38    | 15               | 6,4        |
| 39    | 15               | 6,4        |
| 40    | 15               | 6,4        |

| Diam. | Band Width<br>mm | Hole<br>mm |
|-------|------------------|------------|
| 5     | 20               | 8,4        |
| 6     | 20               | 8,4        |
| 7     | 20               | 8,4        |
| 8     | 20               | 8,4        |
| 9     | 20               | 8,4        |
| 10    | 20               | 8,4        |
| 11    | 20               | 8,4        |
| 12    | 20               | 8,4        |
| 13    | 20               | 8,4        |
| 14    | 20               | 8,4        |
| 15    | 20               | 8,4        |
| 16    | 20               | 8,4        |
| 17    | 20               | 8,4        |
| 18    | 20               | 8,4        |
| 19    | 20               | 8,4        |
| 20    | 20               | 8,4        |
| 21    | 20               | 8,4        |
| 22    | 20               | 8,4        |
| 23    | 20               | 8,4        |
| 24    | 20               | 8,4        |
| 25    | 20               | 8,4        |
| 26    | 20               | 8,4        |
| 27    | 20               | 8,4        |
| 28    | 20               | 8,4        |
| 29    | 20               | 8,4        |
| 30    | 20               | 8,4        |
| 31    | 20               | 8,4        |
| 32    | 20               | 8,4        |
| 33    | 20               | 8,4        |
| 34    | 20               | 8,4        |
| 35    | 20               | 8,4        |
| 36    | 20               | 8,4        |
| 37    | 20               | 8,4        |
| 38    | 20               | 8,4        |
| 39    | 20               | 8,4        |
| 40    | 20               | 8,4        |
| 41    | 20               | 8,4        |
| 42    | 20               | 8,4        |
| 43    | 20               | 8,4        |
| 44    | 20               | 8,4        |
| 45    | 20               | 8,4        |
| 46    | 20               | 8,4        |
| 47    | 20               | 8,4        |
| 48    | 20               | 8,4        |
| 49    | 20               | 8,4        |
| 50    | 20               | 8,4        |

| Diam. | Band Width<br>mm | Hole<br>mm |
|-------|------------------|------------|
| 20    | 25               | 10,4       |
| 22    | 25               | 10,4       |
| 25    | 25               | 10,4       |
| 28    | 25               | 10,4       |
| 30    | 25               | 10,4       |
| 32    | 25               | 10,4       |
| 35    | 25               | 10,4       |
| 38    | 25               | 10,4       |
| 40    | 25               | 10,4       |
| 41    | 25               | 10,4       |
| 42    | 25               | 10,4       |
| 45    | 25               | 10,4       |
| 48    | 25               | 10,4       |
| 50    | 25               | 10,4       |
| 52    | 25               | 10,4       |
| 55    | 25               | 10,4       |
| 56    | 25               | 10,4       |
| 58    | 25               | 10,4       |
| 60    | 25               | 10,4       |
| 62    | 25               | 10,4       |
| 65    | 25               | 10,4       |
| 68    | 25               | 10,4       |
| 70    | 25               | 10,4       |
| 74    | 25               | 10,4       |
| 76    | 25               | 10,4       |
| 80    | 25               | 10,4       |
| 85    | 25               | 10,4       |
| 90    | 25               | 10,4       |
| 100   | 25               | 10,4       |
| 110   | 25               | 10,4       |
| 120   | 25               | 10,4       |
| 130   | 25               | 10,4       |
| 140   | 25               | 10,4       |
| 150   | 25               | 10,4       |

# DIN4109 Split Clamp

Available in: Zinc Plating, Stainless Steel 304 (1.4301)



| Available Sizes (mm) | Width / Thickness |
|----------------------|-------------------|
| 14 - 18              | 25 x 2.0          |
| 19 - 23              | 25 x 2.0          |
| 24 - 28              | 30 x 2.5          |
| 29 - 33              | 30 x 2.5          |
| 33 - 37              | 30 x 2.5          |
| 40 - 45              | 30 x 2.5          |
| 47 - 52              | 30 x 2.5          |
| 53 - 58              | 30 x 2.5          |
| 60 - 65              | 30 x 2.5          |
| 67 - 72              | 30 x 3.0          |
| 73 - 78              | 30 x 3.0          |
| 79 - 85              | 30 x 3.0          |
| 88 - 93              | 30 x 3.0          |
| 100 - 106            | 30 x 3.0          |
| 108 - 115            | 30 x 3.0          |
| 124 - 129            | 40 x 4.0          |
| 131 - 137            | 40 x 4.0          |
| 138 - 144            | 40 x 4.0          |
| 148 - 154            | 40 x 4.0          |
| 156 - 162            | 40 x 4.0          |
| 165 - 171            | 40 x 4.0          |
| 177 - 183            | 40 x 4.0          |
| 188 - 194            | 40 x 4.0          |
| 196 - 203            | 40 x 4.0          |
| 205 - 214            | 40 x 4.0          |
| 219 - 225            | 40 x 4.0          |
| 244 - 250            | 40 x 4.0          |
| 267 - 273            | 40 x 4.0          |
| 278 - 284            | 40 x 4.0          |
| 299 - 305            | 40 x 4.0          |
| 307 - 318            | 40 x 4.0          |





## Cotter Pin Hose Clamp 5mm and 9mm

Available in: Zinc Plating, Stainless Steel 304 (1.4301)

Suitable for less demanding applications such as attaching signs and sealing low-pressure hoses. Can be re-used.

Required tools: Steel pin, angled screwdriver or pliers, plate shears



## Heat Shield Clamp

Available in: Trivalent Zinc Plating, Stainless Steel 304

### Available Sizes (D)

76.2mm

88.9mm

101.6mm

114.3mm

127mm

184mm

206mm

250mm

265mm

284mm

300mm





## Thumb Turn Screw Worm Drive Hose Clamp

Available in : Zinc Plating, Stainless Steel 202, Stainless Steel 304, Stainless Steel 316

| Available Sizes (mm) | Width x Thickness |
|----------------------|-------------------|
| 12-20                | 9/12x0.6          |
| 16 - 25              | 9/12x0.6          |
| 20 - 32              | 9/12x0.6          |
| 25 - 40              | 9/12x0.6          |
| 32 - 50              | 9/12x0.6          |
| 40 - 60              | 9/12x0.6          |
| 50 - 70              | 9/12x0.6          |
| 60 - 80              | 9/12x0.6          |
| 70 - 90              | 9/12x0.6          |
| 80 - 100             | 9/12x0.6          |
| 90 - 110             | 9/12x0.6          |
| 100 - 120            | 9/12x0.6          |
| 110 - 130            | 9/12x0.6          |
| 120 - 140            | 9/12x0.6          |
| 130 - 150            | 9/12x0.6          |
| 140 - 160            | 9/12x0.6          |
| 150 - 170            | 9/12x0.6          |
| 160 - 180            | 9/12x0.6          |
| 170 - 190            | 9/12x0.6          |
| 180 - 200            | 9/12x0.6          |
| 190 - 210            | 9/12x0.6          |
| 200 - 220            | 9/12x0.6          |
| 210 - 230            | 9/12x0.6          |



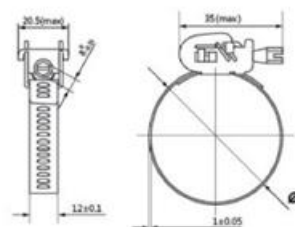
## Single Ear Clip

Available in : W1 Zinc Plating, Stainless Steel 202, Stainless Steel 304, Stainless Steel 316

| A vailable Sizes<br>(mm) | Width x<br>Thickness | A vailable Sizes<br>(mm) | Width x<br>Thickness |
|--------------------------|----------------------|--------------------------|----------------------|
| 6.5                      | 5x0.5                | 22.6                     | 7x0.6                |
| 7.0                      | 5x0.5                | 24.1                     | 7x0.6                |
| 8.0                      | 5x0.5                | 25                       | 7x0.6                |
| 8.7                      | 5x0.5                | 25.6                     | 7x0.6                |
| 9.5                      | 5x0.5                | 26                       | 7x0.6                |
| 10.5                     | 5x0.5                | 27.1                     | 7x0.6                |
| 11.8                     | 5x0.5                | 28.6                     | 7x0.6                |
| 11.9                     | 7x0.6                | 31.6                     | 7x0.6                |
| 12.3                     | 7x0.6                | 34.6                     | 7x0.6                |
| 12.8                     | 7x0.6                | 37.6                     | 7x0.6                |
| 13.3                     | 7x0.6                | 39.6                     | 7x0.6                |
| 14.0                     | 7x0.6                | 42.5                     | 7x0.6                |
| 14.5                     | 7x0.6                | 48.5                     | 7x0.6                |
| 15.3                     | 7x0.6                | 56                       | 7x0.6                |
| 15.7                     | 7x0.6                | 68                       | 7x0.6                |
| 16.2                     | 7x0.6                | 71                       | 7x0.6                |
| 17.0                     | 7x0.6                | 84                       | 7x0.6                |
| 17.5                     | 7x0.6                | 92.5                     | 7x0.6                |
| 18.5                     | 7x0.6                |                          |                      |
| 19.2                     | 7x0.6                |                          |                      |
| 19.8                     | 7x0.6                |                          |                      |
| 21.0                     | 7x0.6                |                          |                      |



## Quick Release Worm Drive Hose Clamp



Bandwidth 12.7mm; all 200/300 stainless steel; 8.0mm hex-head screw  
Band width 8mm; Material: all 200/300 stainless steel; 6.0mm hex-head screw, Galvanized Carbon steel.



Technical Data - Hose Clamp Set

| Band Width         | Thickness | length | Material          | MOQ      |
|--------------------|-----------|--------|-------------------|----------|
| Band of 8mm        | 0.6mm     | 30m    | SS201,SS304,SS316 | 100rolls |
| Band of 12.7mm     | 0.6mm     | 30m    | SS201,SS304,SS316 | 100rolls |
| Housing for 8mm    |           |        | W2&W4/SS201,SS304 | 1000pcs. |
| Housing for 12.7mm |           |        | W2&W4/SS201,SS304 | 1000pcs. |

Available in : Zinc Plating, Stainless Steel 202, Stainless Steel 304, Stainless Steel 316

| A vailable<br>Sizes<br>(mm) | Width x<br>Thickness | A vailable<br>Sizes<br>(mm) | Width x<br>Thickness | A vailable<br>Sizes<br>(mm) | Width x<br>Thickness |
|-----------------------------|----------------------|-----------------------------|----------------------|-----------------------------|----------------------|
| 12 - 20                     | 9/12x0.6             | 90 - 110                    | 9/12x0.6             | 190 - 210                   | 9/12x0.6             |
| 16 - 25                     | 9/12x0.6             | 100 - 120                   | 9/12x0.6             | 200 - 220                   | 9/12x0.6             |
| 20 - 32                     | 9/12x0.6             | 110 - 130                   | 9/12x0.6             | 210 - 230                   | 9/12x0.6             |
| 25 - 40                     | 9/12x0.6             | 120 - 140                   | 9/12x0.6             |                             |                      |
| 32 - 50                     | 9/12x0.6             | 130 - 150                   | 9/12x0.6             |                             |                      |
| 40 - 60                     | 9/12x0.6             | 140 - 160                   | 9/12x0.6             |                             |                      |
| 50 - 70                     | 9/12x0.6             | 150 - 170                   | 9/12x0.6             |                             |                      |
| 60 - 80                     | 9/12x0.6             | 160 - 180                   | 9/12x0.6             |                             |                      |
| 70 - 90                     | 9/12x0.6             | 170 - 190                   | 9/12x0.6             |                             |                      |
| 80 - 100                    | 9/12x0.6             | 180 - 200                   | 9/12x0.6             |                             |                      |



## Spring Insert Worm Drive Hose Clamp

Available in : Zinc Plating, Stainless Steel 202, Stainless Steel 304, Stainless Steel 316

| A available Sizes (mm) | Width x Thickness |
|------------------------|-------------------|
| 12-20                  | 9/12x0.6          |
| 16 - 25                | 9/12x0.6          |
| 20 - 32                | 9/12x0.6          |
| 25 - 40                | 9/12x0.6          |
| 32 - 50                | 9/12x0.6          |
| 40 - 60                | 9/12x0.6          |
| 50 - 70                | 9/12x0.6          |
| 60 - 80                | 9/12x0.6          |
| 70 - 90                | 9/12x0.6          |
| 80 - 100               | 9/12x0.6          |
| 90 - 110               | 9/12x0.6          |
| 100 - 120              | 9/12x0.6          |
| 110 - 130              | 9/12x0.6          |
| 120 - 140              | 9/12x0.6          |
| 130 - 150              | 9/12x0.6          |
| 140 - 160              | 9/12x0.6          |
| 150 - 170              | 9/12x0.6          |
| 160 - 180              | 9/12x0.6          |
| 170 - 190              | 9/12x0.6          |
| 180 - 200              | 9/12x0.6          |
| 190 - 210              | 9/12x0.6          |
| 200 - 220              | 9/12x0.6          |
| 210 - 230              | 9/12x0.6          |



## PSA Exhaust Clamps (Peugeot/Citroen/Renault Applications)

Available in : Trivalent Zinc Plating (Mild Steel)

The PSA clamp has been designed to ensure tight connections between biconical-ended pipes and flared spigots on exhaust and engine outlet systems.

The V-shaped band provides great axial strength while maintaining the clamp's pivot effect. The PSA clamp is very resistant to corrosion, high temperatures, vibration and shock.

### Available Sizes

|      |
|------|
| 49mm |
| 54mm |
| 59mm |
| 62mm |
| 67mm |
| 70mm |
| 73mm |
| 77mm |
| 80mm |
| 90mm |



## Mercedes Exhaust Clamps

Available in: Trivalent Zinc Plating, Stainless Steel 304

### Available Sizes

|       |
|-------|
| 75mm  |
| 91mm  |
| 107mm |

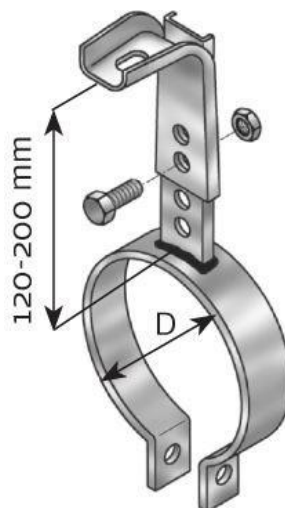


## Adjustable Exhaust Clamp

Available In : Zinc Plating, Stainless Steel 304

### Available Sizes (D)

|                   |
|-------------------|
| 60.0mm (2 3/8")   |
| 76.2mm (3")       |
| 88.9mm (3 1/2 ")  |
| 101.6mm (4")      |
| 108mm (4 1/4 ")   |
| 114.3mm (4 1/2 ") |
| 127mm (5")        |
| 155mm (6")        |
| 184mm (7")        |
| 206mm (8")        |
| 249mm (10")       |
| 260mm (10 1/4 ")  |
| 284mm (11")       |
| 300m (11 3/4 ")   |
| 320mm (12")       |



## Silencer Straps

Available in: Zinc Plating, Stainless Steel 304

### Available Sizes (D)

|                 |
|-----------------|
| 155mm (6")      |
| 178mm (7")      |
| 184mm (7 1/4 ") |
| 206mm (8")      |
| 228mm (9" )     |
| 254mm (10")     |
| 284mm (11")     |
| 300mm (12")     |
| 380mm (15")     |



## D-TYPE Exhaust Clamps (Mercedes / Iveco Applications)

Available in : Zinc Plating (Mild Steel)

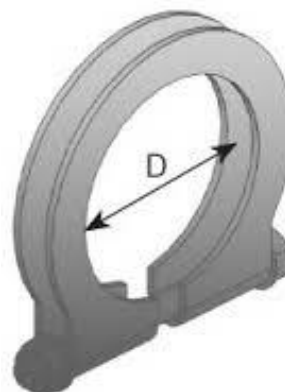
| Clamping Range (D)       |
|--------------------------|
| 42mm                     |
| 46mm                     |
| 49mm                     |
| 59.5mm - 62.5mm (2 3/8") |
| 63mm - 66mm (2 1/2")     |
| 65mm - 68mm (2 1/2")     |
| 67mm - 70mm (2 3/4")     |
| 74mm - 77mm (3")         |
| 76mm - 79mm (3")         |
| 80mm - 83mm (3 1/8")     |
| 87.5mm - 90.5mm (3 1/2") |
| 92mm - 96mm (3 3/4")     |
| 97mm - 100mm (4")        |
| 104mm - 107mm (4")       |



## C-TYPE Exhaust Clamps (Mercedes / Iveco Applications)

Available in: Trivalent Zinc Plating, Stainless Steel 304

| Clamping Range (D)     |
|------------------------|
| 38mm                   |
| 45mm                   |
| 48mm                   |
| 54mm                   |
| 65mm                   |
| 102mm - 105mm (4")     |
| 106mm - 110mm (4 3/8") |
| 114mm - 118mm (4 1/2") |
| 118mm - 122mm (4 3/4") |
| 128mm - 132mm (5")     |
| 131mm - 135 (5 1/4")   |
| 146mm - 151mm (5 3/4") |



## Citroen Exhaust Clamp

Available In : Zinc Plating, Stainless Steel 304

| Available Sizes (D) |
|---------------------|
| 35mm                |
| 47mm                |
| 49mm                |
| 53mm                |
| 58mm                |
| 66mm                |
| 69mm                |



## Renault Exhaust Clamp

Available in: Zinc Plating, Stainless Steel 304

| Available Sizes (D) |
|---------------------|
| 47mm                |
| 49mm                |
| 53mm                |
| 58mm                |
| 62mm                |
| 66mm                |
| 69mm                |
| 72mm                |
| 79-80mm             |





## DAF U-Bolt Clamp

Available In : Zinc Plating, Stainless Steel 304

| Diameter (D) | U-Bolt Height | Thread Length |
|--------------|---------------|---------------|
| 72mm         | 120mm         | 40mm          |
| 84mm         | 130mm         | 40mm          |
| 92mm         | 140mm         | 40mm          |
| 96mm         | 145mm         | 40mm          |
| 98mm         | 150mm         | 40mm          |
| 105mm        | 195mm         | 40mm          |
| 109mm        | 160mm         | 40mm          |
| 120mm        | 170mm         | 40mm          |
| 130mm        | 185mm         | 60mm          |
| 142mm        | 195mm         | 40mm          |
| 155mm        | 205mm         | 40mm          |
| 165mm        | 220mm         | 55mm          |



## M10 Ford Exhaust Clamp

Available in: Zinc Plating

Pre-Assembled with DIN980 Self-Locking Copper Nuts or DIN934 Nuts and DIN125 Washers

| Avai | able | Size s (mm) |
|------|------|-------------|
| 32mm | 48mm | 60mm        |
| 35mm | 49mm | 61mm        |
| 36mm | 50mm | 62mm        |
| 38mm | 51mm | 63mm        |
| 40mm | 52mm | 64mm        |
| 41mm | 53mm | 66mm        |
| 42mm | 54mm | 67mm        |
| 43mm | 55mm | 69mm        |
| 44mm | 56mm |             |
| 45mm | 57mm |             |
| 46mm | 58mm |             |
| 47mm | 59mm |             |



## Heavy-Duty Hose Clamp (Double Band)

Available in : Zinc Plating, Chrome-Plating, Stainless Steel 304, Stainless Steel 316, Stainless Steel 409

Bolt : M6 Allen Socket Cap Screw (8.8 or 12.9 grade)

Strap Width : 20mm

Maximum Torque 30 in.-lbs.

With two layers of steel bands, this clamp offers great strength and forms a leak free vacuum.

improves safety by minimizing parts that protrude after installation.

Excellent product performance and attractive appearance,

Features solid trunnions, bridge, and strong band.

Perfect for tight, hard-to-access spaces

Custom sizes are available on request.

Available optionally in a single-band as a low-cost economic alternative.

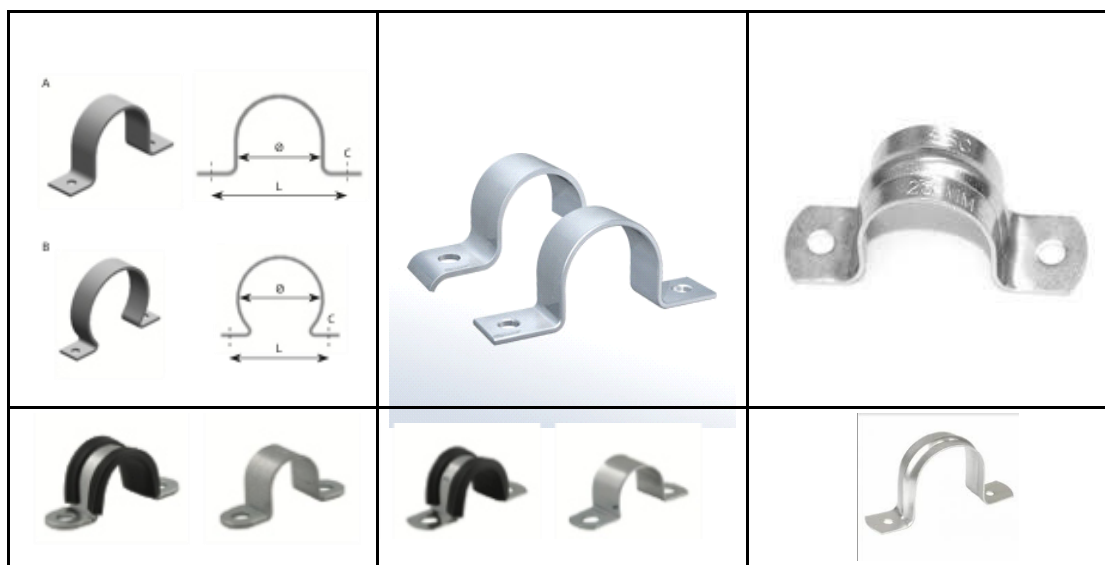
Available optionally as an extra heavy-duty clamp with 25mm width double-band and M8 Allen Socket Bolt.

Extra heavy-duty clamp is available only for sizes 90mm and above.

| Ø D   | Thickness |
|-------|-----------|
| 35mm  | 1.5mm     |
| 40mm  | 1.5mm     |
| 46mm  | 1.5mm     |
| 50mm  | 1.5mm     |
| 55mm  | 1.5mm     |
| 60mm  | 1.5mm     |
| 65mm  | 1.5mm     |
| 70mm  | 1.5mm     |
| 72mm  | 1.5mm     |
| 75mm  | 1.5mm     |
| 80mm  | 1.5mm     |
| 82mm  | 1.5mm     |
| 85mm  | 1.5mm     |
| 90mm  | 1.5mm     |
| 95mm  | 1.5mm     |
| 100mm | 1.5mm     |
| 107mm | 1.5mm     |
| 110mm | 1.5mm     |
| 115mm | 1.5mm     |
| 120mm | 1.5mm     |
| 130mm | 1.5mm     |
| 135mm | 1.5mm     |
| 140mm | 1.5mm     |
| 146mm | 1.5mm     |



## Saddle Fastening Clamp / Pipe Bracket (DIN 1592/1593/1596/1597).



| Diameter (mm) | Diameter (inch) | C (mm) | C (inch) | L (mm) | Design |
|---------------|-----------------|--------|----------|--------|--------|
| 50mm          | 2               | 11     | 1/2      | 85     | A      |
| 60mm          | 2 3/8"          | 11     | 1/2      | 90     | A      |
| 70mm          | 2 3/4"          | 11     | 1/2      | 100    | A      |
| 75mm          | 3               | 11     | 1/2      | 105    | A      |
| 80mm          | 3 1/8"          | 11     | 1/2      | 122    | A      |
| 90mm          | 3 1/2"          | 11     | 1/2      | 115    | B      |
| 100mm         | 3 7/8"          | 11     | 1/2      | 120    | B      |
| 110mm         | 4 3/8"          | 11     | 1/2      | 150    | A      |
| 115mm         | 4 1/2"          | 11     | 1/2      | 155    | A      |
| 120mm         | 4 3/4"          | 11     | 1/2      | 160    | B      |

## Custom Designed Clamps and Product Development

As the leading solution provider in its sector, the Invicta's aim is to always stay a step ahead in innovation and the development of new products. Invicta's strengths as a solution provider are considerable.

To start with, the unrivaled breadth of its product range - itself the result of continual striving to develop new solutions for its customers' needs - puts the Group in a class of its own. Offering a vast range of metal clamps and couplings, Invicta can often propose different solutions for a single application. New product development benefits from extensive lifetime-testing and validation facilities that allow Invicta to carry out virtually all necessary tests in-house, analyzing any solution and application particularly effectively.



## TOYOTA EXHAUST CLAMP



## SPRINKLER CLAMP

|                   |                |
|-------------------|----------------|
| Size              | 25-300 mm      |
| Material          | MS             |
| Type of Clamp     | U Clamp        |
| Surface Treatment | Electroplating |
| Thickness         | 1.5mm - 3 mm   |



|                   |                       |
|-------------------|-----------------------|
| Size              | 25-150 mm             |
| Material          | MS, Rubber            |
| Type of Clamp     | U Clamp               |
| Class             | Medium Duty           |
| Usage/Application | Pipe Fitting          |
| Finish            | Electrical Galvanized |



|                   |                 |
|-------------------|-----------------|
| Usage/Application | Pipe Fitting    |
| Type              | Lt Clamp        |
| Material          | Stainless Steel |
| Color             | Silver          |
| Thickness         | 3-5 mm          |
| Surface Treatment | Powder Coated   |
| Width             | 1-2 Inch        |



## NO HUB COUPLING

| DIAMETER |      |                                                     |
|----------|------|-----------------------------------------------------|
| MM       | INCH | <b>Installation<br/>Torque 60 in.lb<br/>(6.8Nm)</b> |
| DN40     | 1.5" |                                                     |
| DN50     | 2"   |                                                     |
| DN75     | 3"   |                                                     |
| DN100    | 4"   |                                                     |
| DN125    | 5"   |                                                     |
| DN150    | 6"   |                                                     |
| DN200    | 8"   |                                                     |
| DN250    | 10"  |                                                     |
| DN300    | 12"  |                                                     |



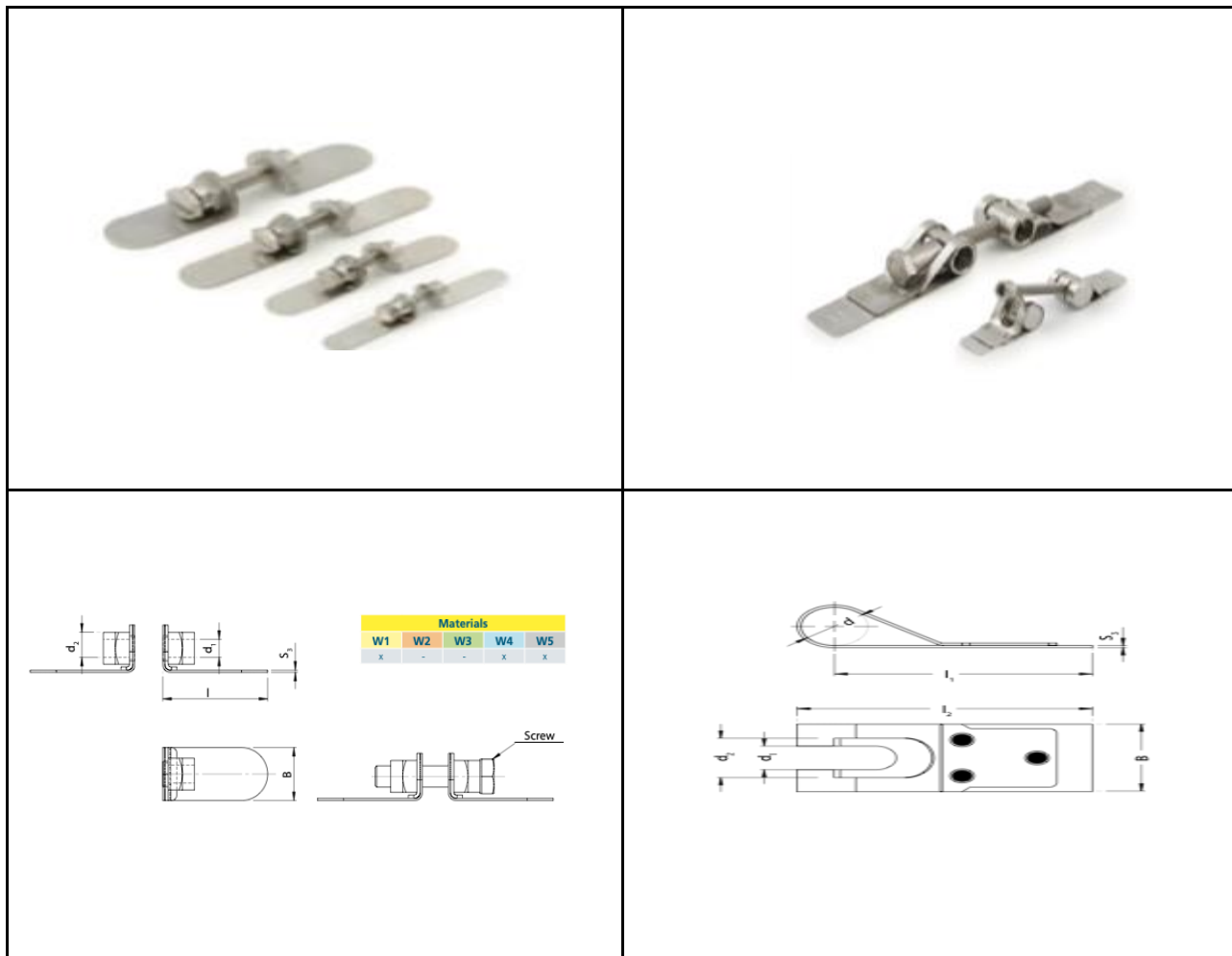
## U-CLIP

Available In: Zinc Plating

| Ø D      |
|----------|
| 6x15mm   |
| 8x20mm   |
| 8x25mm   |
| 10x32mm  |
| 10x40mm  |
| 10x50mm  |
| 12x65mm  |
| 16x80mm  |
| 16x100mm |
| 16x125mm |
| 20x150mm |
| 20x200mm |
| 20x250mm |
| 24x300mm |
| 24x350mm |
| 24x400mm |



# TURN BUCKLES

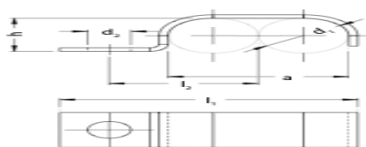




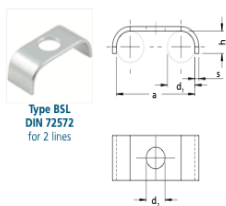
# LIGHT FASTENING CLAMPS



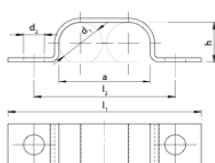
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for 1 line



**Type BSL**  
**DIN 72571**  
for 2 lines



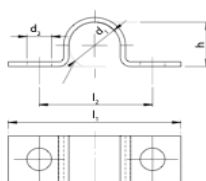
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for 2 lines



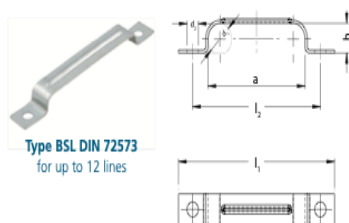
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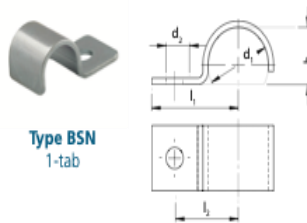
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**DIN 72573**  
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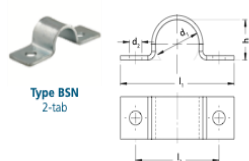
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**DIN 72573**  
for 1 line



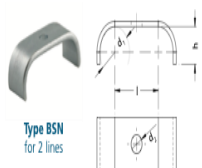
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**DIN 72573**  
for up to 12 lines



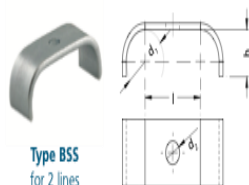
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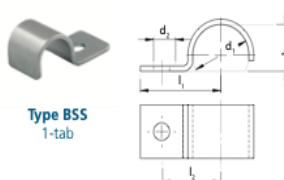
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2-tab



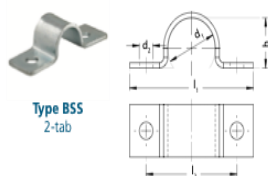
**Type BSN**  
for 2 lines



**Type BSS**  
for 2 lines



**Type BSS**  
1-tab



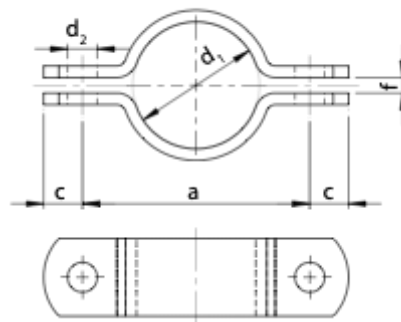
**Type BSS**  
2-tab



# DIN3567 CLAMP

Available In : Zinc Plating (W1), Stainless Steel 304 (W4)

This two-piece clamp is suited to high static loads in general plant construction, distributing heavy loads across wide distances.



| Heavy pipe clamp conforming to DIN 3567, Form A |                                 |     |    |                   |    |          |                          |                      |
|-------------------------------------------------|---------------------------------|-----|----|-------------------|----|----------|--------------------------|----------------------|
| $\varnothing d_1$                               | To be used for nominal diameter | a   | c  | $\varnothing d_2$ | f  | Steel mm | Accessory: Hexagon screw | Weight kg* 100 pairs |
| 11 20                                           | 15                              | 57  | 15 | 11,5              | 7  | 30 x 5   | M 10 x 30 Mu             | 19                   |
| 11 22                                           |                                 | 59  |    |                   |    |          |                          | 20                   |
| 25                                              | 20                              | 62  |    |                   |    |          |                          | 21                   |
| 27                                              |                                 | 66  |    |                   |    |          |                          | 22                   |
| 30                                              | 25                              | 68  |    |                   |    |          |                          | 23                   |
| 34                                              |                                 | 72  |    |                   |    |          |                          | 24                   |
| 38                                              | 32                              | 76  |    |                   |    |          |                          | 26                   |
| 43                                              |                                 | 82  |    |                   |    |          |                          | 27                   |
| 45                                              | 40                              | 84  |    |                   |    |          |                          | 28                   |
| 49                                              |                                 | 88  |    |                   |    |          |                          | 30                   |
| 57                                              | 50                              | 104 | 18 | 14                | 9  | 40 x 6   | M 12 x 35 Mu             | 54                   |
| 61                                              |                                 | 108 |    |                   |    |          |                          | 55                   |
| 77                                              | 65                              | 122 |    |                   |    |          |                          | 60                   |
| 89                                              | 80                              | 136 |    |                   |    |          |                          | 70                   |
| 108                                             | 100                             | 172 |    |                   |    |          |                          | 140                  |
| 115                                             |                                 | 178 | 24 | 18                | 11 | 50 x 8   | M 16 x 45 Mu             | 145                  |
| 133                                             | 125                             | 196 |    |                   |    |          |                          | 168                  |
| 140                                             |                                 | 204 |    |                   |    |          |                          | 180                  |
| 159                                             | 150                             | 222 |    |                   |    |          |                          | 200                  |
| 169                                             |                                 | 232 |    |                   |    |          |                          | 205                  |
| 194                                             | 175                             | 258 |    |                   |    |          |                          | 240                  |
| 216                                             | 200                             | 280 |    |                   |    |          |                          | 255                  |
| 220                                             |                                 | 284 |    |                   |    |          |                          | 260                  |
| 267                                             | 250                             | 342 |    |                   |    |          |                          | 360                  |
| 273                                             |                                 | 348 |    |                   |    |          |                          | 390                  |
| 318                                             | 300                             | 392 | 30 | 23                | 14 | 60 x 8   | M 20 x 50 Mu             | 435                  |
| 324                                             |                                 | 398 |    |                   |    |          |                          | 445                  |
| 368                                             | 350                             | 444 |    |                   |    |          |                          | 520                  |
| 407                                             | 400                             | 498 |    |                   |    |          |                          | 840                  |
| 419                                             |                                 | 510 | 36 | 27                | 18 | 70 x 10  | M 24 x 60 Mu             | 860                  |
| 521                                             | 500                             | 614 |    |                   |    |          |                          | 1020                 |

# DOUBLE BOLT DIN CLAMP

Available in: Zinc Plating, Chrome-Plating, and Stainless Steel 304

Bolt: M8 or M10 or M12 DIN603 Carriage Bolt (Depending on Diameter)

Pre-Assembled with Bolt, Nut, and Washer

Applications: Agricultural Machines, Building Machines, Engine Manufacturing This clamp can also function as a fixing clip.

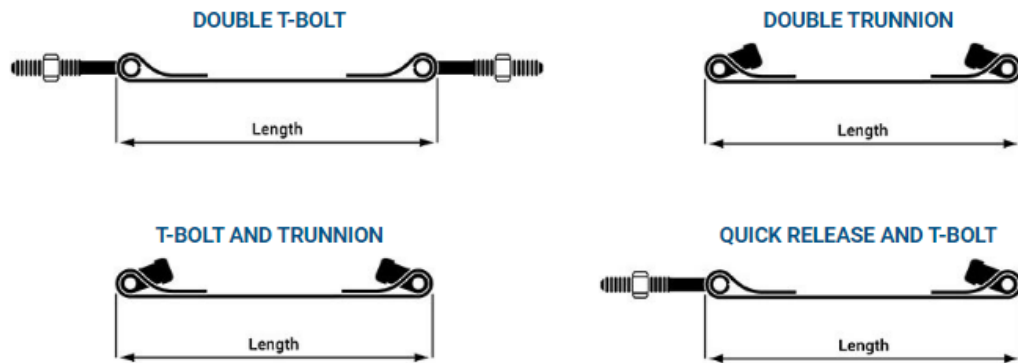
| Available Sizes (mm) |       |           |
|----------------------|-------|-----------|
| Size in Ø            | Width | Thickness |
| 30.2 MM              | 20 MM | 2 MM      |
| 32.2 MM              | 20 MM | 2 MM      |
| 35.2 MM              | 20 MM | 2 MM      |
| 37.2 MM              | 20 MM | 2 MM      |
| 40.3 MM              | 25 MM | 3 MM      |
| 42.3 MM              | 25 MM | 3 MM      |
| 45.5 MM              | 25 MM | 3 MM      |
| 48.5 MM              | 25 MM | 3 MM      |
| 50.5 MM              | 25 MM | 3 MM      |
| 53.5 MM              | 25 MM | 3 MM      |
| 55.5 MM              | 25 MM | 3 MM      |
| 58.5 MM              | 25 MM | 3 MM      |
| 60.5 MM              | 25 MM | 3 MM      |
| 63.5 MM              | 25 MM | 3 MM      |
| 65.5 MM              | 25 MM | 3 MM      |
| 68.5 MM              | 25 MM | 3 MM      |
| 70.5 MM              | 30 MM | 4 MM      |
| 73.5 MM              | 30 MM | 4 MM      |
| 75.5 MM              | 30 MM | 4 MM      |
| 78.5 MM              | 30 MM | 4 MM      |
| 80.5 MM              | 30 MM | 4 MM      |
| 83.5 MM              | 30 MM | 4 MM      |
| 85.5 MM              | 30 MM | 4 MM      |
| 90.5 MM              | 30 MM | 4 MM      |
| 94.5 MM              | 30 MM | 4 MM      |
| 100.5 MM             | 30 MM | 4 MM      |
| 102.5 MM             | 30 MM | 4 MM      |
| 104.5 MM             | 30 MM | 4 MM      |
| 108.5 MM             | 30 MM | 4 MM      |
| 110.5 MM             | 30 MM | 4 MM      |
| 114.5 MM             | 30 MM | 4 MM      |
| 120.5 MM             | 30 MM | 4 MM      |
| 124.5 MM             | 30 MM | 4 MM      |
| 127.5 MM             | 30 MM | 4 MM      |
| 130.5 MM             | 30 MM | 4 MM      |
| 134.5 MM             | 30 MM | 4 MM      |
| 152.5 MM             | 30 MM | 4 MM      |
| 168.5 MM             | 30 MM | 4 MM      |
| 220.5 MM             | 30 MM | 4 MM      |
| 250.5 MM             | 30 MM | 4 MM      |
| 255.5 MM             | 30 MM | 4 MM      |
| 273.5 MM             | 30 MM | 4 MM      |
| 275.5 MM             | 30 MM | 4 MM      |
| 300.5 MM             | 30 MM | 4 MM      |



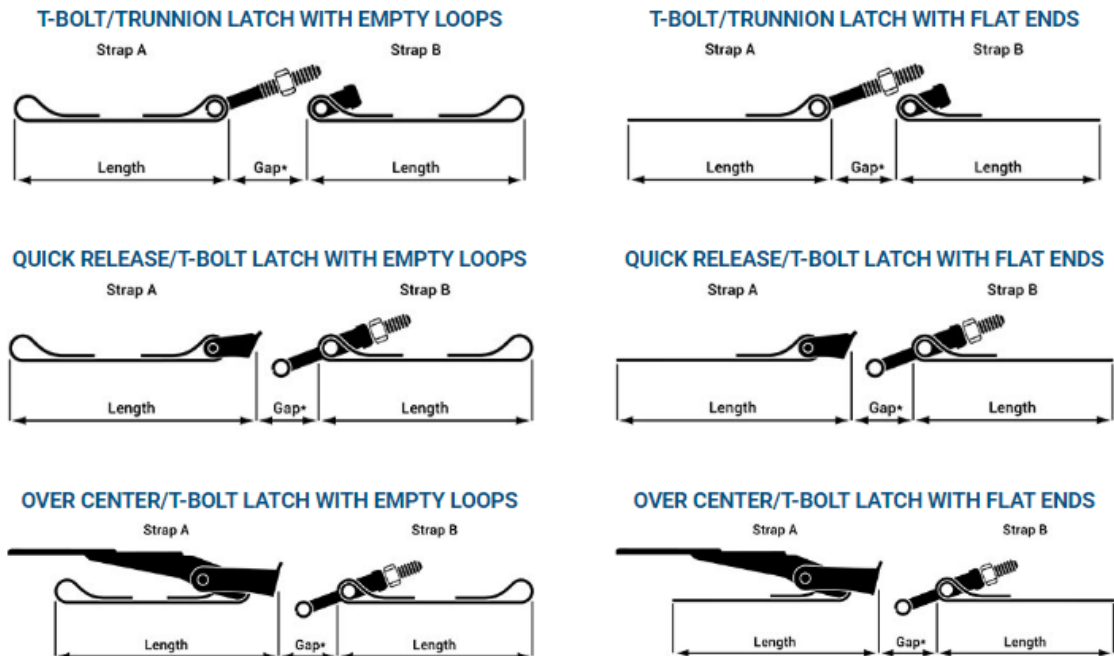
# STRAPS & STRAP ASSEMBLIES

Invicta India heavy-duty stainless steel strap assemblies are frequently specified for industrial, commercial, aerospace and defense applications. Straps are commonly used to secure custom shapes to mounting surfaces. Lengths range from 2.25 in. up to the customer's desired length. For certain applications, strap assemblies may be joined together to arrive at the required length. Customers specify latch styles, material gauge, band width and hardware. Custom anti-vibration liners can also be affixed to the strap surface, if desired. Invicta India can perform straps to closely match your application, and reduce assembly time during installation.

## Invicta Straps

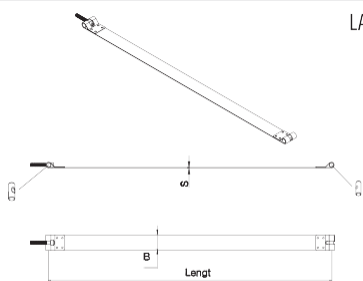


## Invicta Strap Assemblies





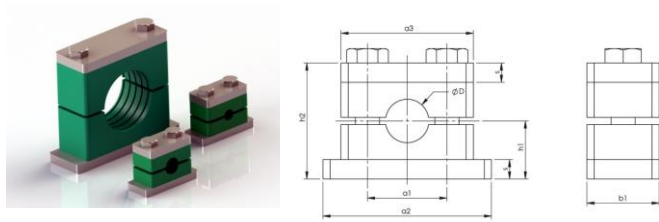
#### LATCH STYLES



| Band Thickness<br>(mm) | Material                                                           | Bolt                                                    |                 | Bolt Material                              |
|------------------------|--------------------------------------------------------------------|---------------------------------------------------------|-----------------|--------------------------------------------|
|                        |                                                                    | inch.                                                   | Metric          |                                            |
| 1 - 1,2 mm             | 1.0347<br>(Plated)<br>AISI 430<br>AISI 304<br>AISI 301<br>AISI 316 | 1/4 inc. M6<br>1/4 - 5/16 inc.<br>5/16 inc.<br>3/8 inc. | M6<br>M8<br>M10 | AISI 410<br>AISI 304<br>Steel 8.8 (Plated) |
| 1 - 1,5 mm             |                                                                    |                                                         |                 |                                            |
| 1,2 - 1,5 mm           |                                                                    |                                                         |                 |                                            |
| 1,2 - 1,5 - 2 mm       |                                                                    |                                                         |                 |                                            |
| 1,2 - 1,5 - 2 mm       |                                                                    |                                                         |                 |                                            |
| 1,5 - 2 - 2,5 - 3 mm   |                                                                    |                                                         |                 |                                            |

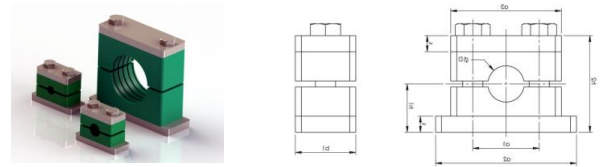
# DIN3015 CLAMP

## LIGHT DUTY CLAMP



| Group | Tube O.D | Model No. | a2  | a3  | a1 | s | h2  | Bolt Size |
|-------|----------|-----------|-----|-----|----|---|-----|-----------|
| A     | 4.0      | LPC4M     | 43  | 37  | 20 | 3 | 33  | M6 x 30   |
|       | 6.0      | LPC6M     |     |     |    |   |     |           |
|       | 6.4      | LPC6.4M   |     |     |    |   |     |           |
|       | 8.0      | LPC8M     |     |     |    |   |     |           |
|       | 9.5      | LPC9.5M   |     |     |    |   |     |           |
|       | 10.0     | LPC10M    |     |     |    |   |     |           |
|       | 12.0     | LPC12M    |     |     |    |   |     |           |
| B     | 12.7     | LPC12.7M  | 48  | 42  | 26 | 3 | 39  | M6 x 35   |
|       | 13.5     | LPC13.5M  |     |     |    |   |     |           |
|       | 14.0     | LPC14M    |     |     |    |   |     |           |
|       | 15.0     | LPC15M    |     |     |    |   |     |           |
|       | 16.0     | LPC16M    |     |     |    |   |     |           |
|       | 17.2     | LPC17.2M  |     |     |    |   |     |           |
|       | 18.0     | LPC18M    |     |     |    |   |     |           |
| C     | 19.0     | LPC19M    | 56  | 50  | 33 | 3 | 42  | M6 x 40   |
|       | 20.0     | LPC20M    |     |     |    |   |     |           |
|       | 21.3     | LPC21.3M  |     |     |    |   |     |           |
|       | 22.0     | LPC22M    |     |     |    |   |     |           |
| D     | 25.0     | LPC25M    | 65  | 59  | 40 | 3 | 48  | M6 x 45   |
|       | 26.9     | LPC26.9M  |     |     |    |   |     |           |
|       | 28.0     | LPC28M    |     |     |    |   |     |           |
| E     | 30.0     | LPC30M    | 77  | 71  | 52 | 3 | 64  | M6 x 60   |
|       | 32.0     | LPC32M    |     |     |    |   |     |           |
|       | 33.7     | LPC33.7M  |     |     |    |   |     |           |
|       | 35.0     | LPC35M    |     |     |    |   |     |           |
|       | 38.0     | LPC38M    |     |     |    |   |     |           |
|       | 40.0     | LPC40M    |     |     |    |   |     |           |
|       | 42.0     | LPC42M    |     |     |    |   |     |           |
| F     | 44.5     | LPC44.5M  | 92  | 86  | 66 | 3 | 72  | M6 x 70   |
|       | 48.3     | LPC48.3M  |     |     |    |   |     |           |
|       | 50.8     | LPC50.8M  |     |     |    |   |     |           |
| G     | 57.2     | LPC57.2M  | 122 | 118 | 94 | 5 | 103 | M6 x 100  |
|       | 60.3     | LPC60.3M  |     |     |    |   |     |           |
|       | 63.5     | LPC63.5M  |     |     |    |   |     |           |
|       | 70.0     | LPC70M    |     |     |    |   |     |           |
|       | 73.0     | LPC73M    |     |     |    |   |     |           |
|       | 76.1     | LPC76.1M  |     |     |    |   |     |           |
|       |          |           |     |     |    |   |     |           |
|       |          |           |     |     |    |   |     |           |

## HEAVY DUTY CLAMP

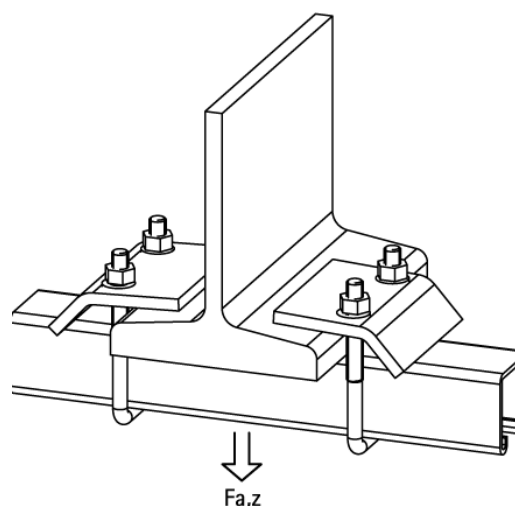
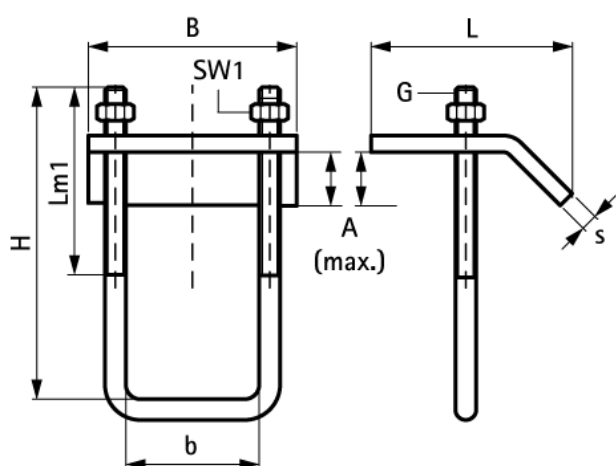


| Group | Tube O.D | Model No. | a3  | a1  | h2  | b1  | a2  | s  | Bolt Size |
|-------|----------|-----------|-----|-----|-----|-----|-----|----|-----------|
| A     | 6.0      | HPC6M     | 55  | 33  | 48  | 30  | 70  | 8  | M10 x 45  |
|       | 6.4      | HPC6.4M   |     |     |     |     |     |    |           |
|       | 8.0      | HPC8M     |     |     |     |     |     |    |           |
|       | 9.5      | HPC9.5M   |     |     |     |     |     |    |           |
|       | 10.0     | HPC10M    |     |     |     |     |     |    |           |
|       | 12.0     | HPC12M    |     |     |     |     |     |    |           |
|       | 12.7     | HPC12.7M  |     |     |     |     |     |    |           |
|       | 13.5     | HPC13.5M  |     |     |     |     |     |    |           |
|       | 14.0     | HPC14M    |     |     |     |     |     |    |           |
|       | 15.0     | HPC15M    |     |     |     |     |     |    |           |
|       | 16.0     | HPC16M    |     |     |     |     |     |    |           |
|       | 17.2     | HPC17.2M  |     |     |     |     |     |    |           |
|       | 18.0     | HPC18M    |     |     |     |     |     |    |           |
|       | 19.0     | HPC19M    |     |     |     |     |     |    |           |
| B     | 20.0     | HPC20M    | 70  | 45  | 64  | 30  | 85  | 8  | M10 x 60  |
|       | 21.3     | HPC21.3M  |     |     |     |     |     |    |           |
|       | 22.0     | HPC22M    |     |     |     |     |     |    |           |
|       | 25.0     | HPC25M    |     |     |     |     |     |    |           |
|       | 26.9     | HPC26.9M  |     |     |     |     |     |    |           |
|       | 28.0     | HPC28M    |     |     |     |     |     |    |           |
|       | 30.0     | HPC30M    |     |     |     |     |     |    |           |
|       | 30.0     | HPC30MC   |     |     |     |     |     |    |           |
|       | 33.7     | HPC33.7M  |     |     |     |     |     |    |           |
|       | 35.0     | HPC35M    |     |     |     |     |     |    |           |
| C     | 38.0     | HPC38M    | 85  | 60  | 76  | 30  | 100 | 8  | M10 x 70  |
|       | 42.0     | HPC42M    |     |     |     |     |     |    |           |
|       | 42.0     | HPC42MD   |     |     |     |     |     |    |           |
|       | 48.3     | HPC48.3M  |     |     |     |     |     |    |           |
| D     | 50.8     | HPC50.8M  | 115 | 90  | 107 | 45  | 140 | 10 | M12 x 100 |
|       | 60.3     | HPC60.3M  |     |     |     |     |     |    |           |
|       | 63.5     | HPC63.5M  |     |     |     |     |     |    |           |
|       | 65.0     | HPC65M    |     |     |     |     |     |    |           |
|       | 70.0     | HPC70M    |     |     |     |     |     |    |           |
|       | 73.0     | HPC73M    |     |     |     |     |     |    |           |
| E     | 76.1     | HPC76.1M  | 152 | 122 | 140 | 60  | 180 | 10 | M16 x 130 |
|       | 88.9     | HPC88.9M  |     |     |     |     |     |    |           |
|       | 102.0    | HPC102M   |     |     |     |     |     |    |           |
|       | 114.0    | HPC114M   |     |     |     |     |     |    |           |
| F     | 127.0    | HPC127M   | 206 | 168 | 197 | 80  | 226 | 15 | M20 x 190 |
|       | 133.0    | HPC133M   |     |     |     |     |     |    |           |
|       | 141.0    | HPC141M   |     |     |     |     |     |    |           |
|       | 152.0    | HPC152M   |     |     |     |     |     |    |           |
| G     | 168.0    | HPC168M   | 251 | 205 | 230 | 91  | 270 | 15 | M24 x 225 |
|       | 188.0    | HPC188MH  |     |     |     |     |     |    |           |
| H     | 193.7    | HPC193.7M | 320 | 265 | 320 | 120 | 340 | 25 | M24 x 225 |

# BIS STRUT STAINLESS STEEL BEAM CLAMP

## Features & Benefits

- for a solid fixing under flanges without welding or drilling
- always use 2 beam clamps per fixing
- material: stainless steel 1.4401/1.4404 (A4) - EN 10088, AISI 316/316L



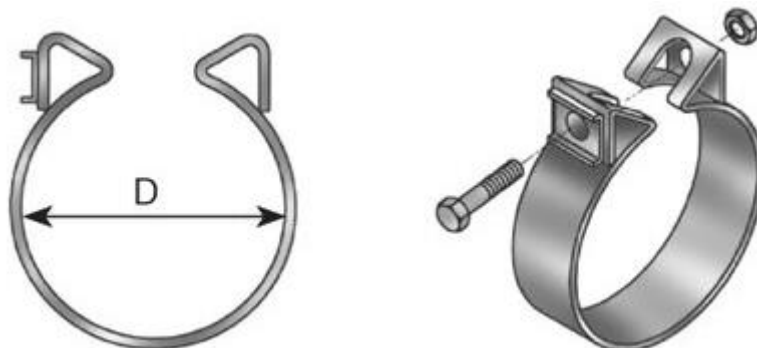
| A (mm) | G   | L     | B (mm) | H (mm) | s (mm) | Lm1 (mm) | SW1 (mm) | For Rail            | Fa,z (N) |
|--------|-----|-------|--------|--------|--------|----------|----------|---------------------|----------|
| 17.5   | M10 | 69 mm | 80     | 90     | 6      | 60       | 17       | Strut 41x21 + 41x41 | 5,700    |
| 20     | M10 | 69 mm | 80     | 130    | 6      | 75       | 17       | Strut 41x41D        | 5,700    |

## SCANIA CLAMP

Size

114,0-119,0

119,0-124,0



## TWIST CLAMP

Size

76,2

88,9

101,6

114,3

Size

127,0

184,0

206,0

250,0

Size

265,0

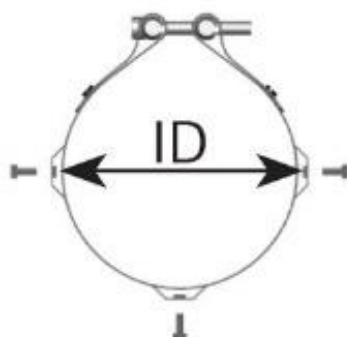
284,0

300,0

300,0



## VIP SILENCER EXHAUST CLAMP





## RECTANGULAR DOUBLE T-BOLT CLAMP



## OBLONG SPRING LOADED DOUBLE T-BOLT CLAMP



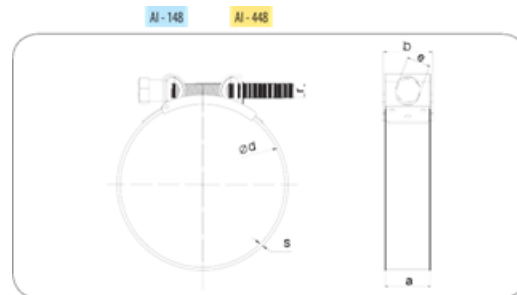
## CRIMP RING

| S.NO. | MATERIAL                                                  | DIAMETER RANGE     | DIMENSIONS      |                                                                                       |
|-------|-----------------------------------------------------------|--------------------|-----------------|---------------------------------------------------------------------------------------|
| 1     | 250 Stainless Steel,<br>material no. 1.4307/UNS<br>S30403 | 15.0 – 120.5<br>mm | 10.0 x 0.8 mm   |  |
|       |                                                           |                    | 10.0 x 1.0 mm   |                                                                                       |
|       |                                                           |                    | 10.0 x 1.2 mm   |                                                                                       |
| 2     | 150 Stainless Steel, material no.<br>1.4307/UNS S30403    |                    | 5.0 – 50.0 mm   |  |
| 3     | 150 Aluminum, Material EN AW-5754                         |                    | 24.5 – 120.0 mm |  |

# HEAVY DUTY HOSE CLAMP

| SIZE    |                  | OEM CODE |          |          | r<br>(mm) | e<br>(mm) | a<br>(mm) | b<br>(mm) | s<br>(mm) | Max. Value    |                  |
|---------|------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|---------------|------------------|
| mm      | INCH             | W1       | W2       | W4       |           |           |           |           |           | torque<br>/nm | pressure<br>/bar |
| 17*19   | 11/16 - 3/4      | AI - 113 | AI - 213 | AI - 413 | M6        | 8         | 18        | 19,8      | 0,8       | 7             | 50               |
| 19*21   | 3/4 - 13/16      | AI - 114 | AI - 214 | AI - 414 |           |           |           |           |           |               | 48               |
| 21*23   | 13/16 - 29/32    | AI - 115 | AI - 215 | AI - 415 |           |           |           |           |           |               | 45               |
| 23*25   | 29/32 - 1        | AI - 116 | AI - 216 | AI - 416 |           |           |           |           |           |               |                  |
| 25*27   | 1 - 1 1/16       | AI - 117 | AI - 217 | AI - 417 |           |           |           |           |           |               |                  |
| 27*29   | 1 1/16 - 1 5/32  | AI - 118 | AI - 218 | AI - 418 |           |           |           |           |           |               |                  |
| 29*31   | 1 5/32 - 1 7/32  | AI - 119 | AI - 219 | AI - 419 | M7        | 10        | 20        | 22        | 1         | 16            | 46               |
| 31*34   | 1 7/32 - 1 5/16  | AI - 120 | AI - 220 | AI - 420 |           |           |           |           |           |               | 44               |
| 34*37   | 1 5/16 - 1 7/16  | AI - 121 | AI - 221 | AI - 421 |           |           |           |           |           |               | 40               |
| 37*40   | 1 7/16 - 1 9/16  | AI - 122 | AI - 222 | AI - 422 |           |           |           |           |           |               | 30               |
| 40*43   | 1 9/16 - 1 11/16 | AI - 123 | AI - 223 | AI - 423 |           |           |           |           |           |               |                  |
| 43*47   | 1 11/16 - 1 7/8  | AI - 124 | AI - 224 | AI - 424 |           |           |           |           |           |               |                  |
| 47*51   | 1 7/8 - 2        | AI - 125 | AI - 225 | AI - 425 |           |           |           |           |           |               |                  |
| 51*55   | 2 - 2 5/32       | AI - 126 | AI - 226 | AI - 426 |           |           |           |           |           |               |                  |
| 55*59   | 2 5/32 - 2 5/16  | AI - 127 | AI - 227 | AI - 427 |           |           |           |           |           |               |                  |
| 59*63   | 2 5/16 - 2 1/2   | AI - 128 | AI - 228 | AI - 428 |           |           |           |           |           |               |                  |
| 63*68   | 2 1/2 - 2 11/16  | AI - 129 | AI - 229 | AI - 429 | M8        | 13        | 25        | 27,5      | 1,2       | 25            | 28               |
| 68*73   | 2 11/16 - 2 7/8  | AI - 130 | AI - 230 | AI - 430 |           |           |           |           |           |               | 20               |
| 73*79   | 2 7/8 - 3 1/8    | AI - 131 | AI - 231 | AI - 431 |           |           |           |           |           |               | 12               |
| 79*85   | 3 1/8 - 3 11/32  | AI - 132 | AI - 232 | AI - 432 |           |           |           |           |           |               |                  |
| 85*91   | 3 11/32 - 3 9/16 | AI - 133 | AI - 233 | AI - 433 |           |           |           |           |           |               |                  |
| 91*97   | 3 9/16 - 3 13/16 | AI - 134 | AI - 234 | AI - 434 |           |           |           |           |           |               |                  |
| 97*104  | 3 13/16 - 4 3/32 | AI - 135 | AI - 235 | AI - 435 |           |           |           |           |           |               |                  |
| 104*112 | 4 3/32 - 4 3/8   | AI - 136 | AI - 236 | AI - 436 |           |           |           |           |           |               |                  |
| 112*121 | 4 3/8 - 4 3/4    | AI - 137 | AI - 237 | AI - 437 |           |           |           |           |           |               |                  |
| 121*130 | 4 3/4 - 5 1/8    | AI - 138 | AI - 238 | AI - 438 |           |           |           |           |           |               |                  |
| 130*140 | 5 1/8 - 5 1/2    | AI - 139 | AI - 239 | AI - 439 | M10       | 15        | 28        | 31        | 1,5       | 50            | 9                |
| 140*150 | 5 1/2 - 5 7/8    | AI - 140 | AI - 240 | AI - 440 |           |           |           |           |           |               | 6                |
| 150*162 | 5 7/8 - 6 3/8    | AI - 141 | AI - 241 | AI - 441 |           |           |           |           |           |               | 3                |
| 162*174 | 6 3/8 - 6 7/8    | AI - 142 | AI - 242 | AI - 442 |           |           |           |           |           |               |                  |
| 174*187 | 6 7/8 - 7 3/8    | AI - 143 | AI - 243 | AI - 443 |           |           |           |           |           |               |                  |
| 187*200 | 7 3/8 - 7 7/8    | AI - 144 | AI - 244 | AI - 444 |           |           |           |           |           |               |                  |
| 200*213 | 7 7/8 - 8 3/8    | AI - 145 | AI - 245 | AI - 445 |           |           |           |           |           |               |                  |
| 213*226 | 8 3/8 - 8 7/8    | AI - 146 | AI - 246 | AI - 446 |           |           |           |           |           |               |                  |
| 226*239 | 8 7/8 - 9 3/8    | AI - 147 | AI - 247 | AI - 447 |           |           |           |           |           |               |                  |
| 239*252 | 9 3/8 - 9 7/8    | AI - 148 | AI - 248 | AI - 448 |           |           |           |           |           |               |                  |

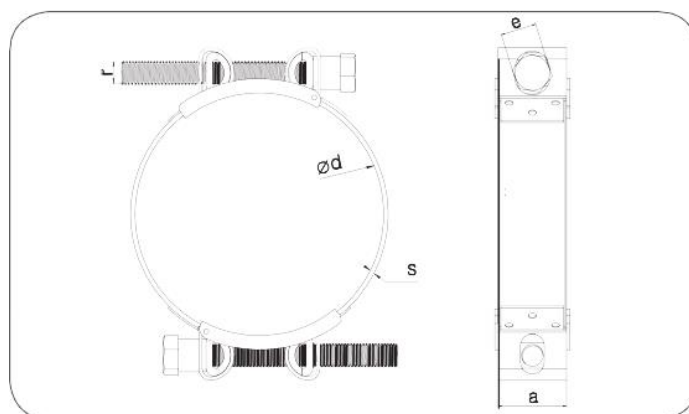
| W Material |                          |                          |
|------------|--------------------------|--------------------------|
| Symbol     | Tape/Band                | Bolt                     |
| <b>W1</b>  | DIN 1624 Zn Plated       | 20 MnB4 Zn Plated        |
| <b>W2</b>  | AISI 430 Stainless Steel | 20 MnB4 Zn Plated        |
| <b>W4</b>  | AISI 304 Stainless Steel | AISI 304 Stainless Steel |



# DOUBLE HEAVY DUTY HOSE CLAMPS

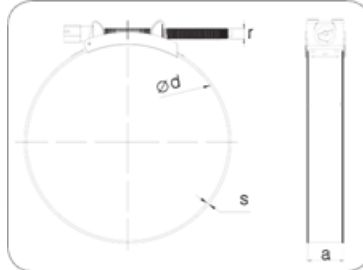
| SIZE    |                 | OEM CODE |         |         | r    | e    | a    | b    | s    | Max. Value    |                       |
|---------|-----------------|----------|---------|---------|------|------|------|------|------|---------------|-----------------------|
| mm      | INCH            | W1       | W2      | W4      | (mm) | (mm) | (mm) | (mm) | (mm) | torque<br>/nm | pres-<br>sure<br>/bar |
| 59*67   | 2 3/16-2 5/8    | DAI-111  | DAI-211 | DAI-311 | M7   | 10   | 20   | 22   | 1    | 16            | 30                    |
| 67*75   | 2 5/8-2 15/16   | DAI-112  | DAI-212 | DAI-312 |      |      |      |      |      |               |                       |
| 75*83   | 2 15/16-3 1/4   | DAI-113  | DAI-213 | DAI-313 |      |      |      |      |      |               | 28                    |
| 83*91   | 3 1/4-3 9/16    | DAI-114  | DAI-214 | DAI-314 |      |      |      |      |      |               |                       |
| 88*100  | 3 3/8-4         | DAI-115  | DAI-215 | DAI-315 | M8   | 13   | 25   | 27,5 | 1,2  | 25            | 20                    |
| 100*116 | 4-4 9/16        | DAI-116  | DAI-216 | DAI-316 |      |      |      |      |      |               | 12                    |
| 116*136 | 4 9/16-5 3/8    | DAI-117  | DAI-217 | DAI-317 |      |      |      |      |      |               | 9                     |
| 136*156 | 5 3/8-6 5/32    | DAI-118  | DAI-218 | DAI-318 |      |      |      |      |      |               |                       |
| 156*180 | 6 5/32-7 3/32   | DAI-119  | DAI-219 | DAI-319 | M10  | 15   | 28   | 31   | 1,5  | 50            | 9                     |
| 125*145 | 4 15/16-5 11/16 | DAI-120  | DAI-220 | DAI-320 |      |      |      |      |      |               |                       |
| 145*168 | 5 11/16-6 5/8   | DAI-121  | DAI-221 | DAI-321 |      |      |      |      |      |               | 6                     |
| 168*193 | 6 5/8-7 19/32   | DAI-122  | DAI-222 | DAI-322 |      |      |      |      |      |               |                       |
| 193*220 | 7 19/32-8 21/32 | DAI-123  | DAI-223 | DAI-323 |      |      |      |      |      |               | 3                     |
| 220*245 | 8 21/32-9 21/32 | DAI-124  | DAI-224 | DAI-324 |      |      |      |      |      |               |                       |
| 245*270 | 9 21/32-10 3/5  | DAI-125  | DAI-225 | DAI-325 |      |      |      |      |      |               |                       |
| 270*295 | 10 3/5-11 10/16 | DAI-126  | DAI-226 | DAI-326 |      |      |      |      |      |               |                       |
| 295*320 | 11 10/16-12 3/5 | DAI-127  | DAI-227 | DAI-327 |      |      |      |      |      |               |                       |
| 320*345 | 12 3/5-13 7/12  | DAI-128  | DAI-228 | DAI-328 |      |      |      |      |      |               |                       |

| W Material |                          |                          |
|------------|--------------------------|--------------------------|
| Symbol     | Tape/Band                | Bolt                     |
| W1         | DIN 1624 Zn Plated       | 20 MnB4 Zn Plated        |
| W2         | AISI 430 Stainless Steel | 20 MnB4 Zn Plated        |
| W4         | AISI 304 Stainless Steel | AISI 304 Stainless Steel |



# NARROW TYPE HEAVY DUTY HOSE CLAMP

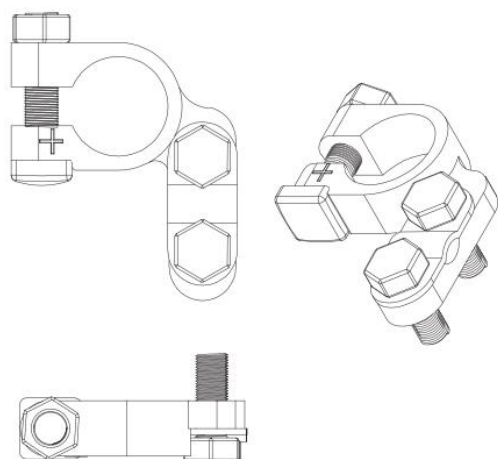
| SIZE    | OEM CODE  | r<br>(mm)   | a<br>(mm) | s<br>(mm) |
|---------|-----------|-------------|-----------|-----------|
| mm      | <b>W2</b> |             |           |           |
| 16*19   | AI - 494  | M5<br>(8.8) | 14        | 0,6       |
| 18*21   | AI - 495  |             |           |           |
| 20*23   | AI - 496  |             |           |           |
| 22*25   | AI - 497  |             |           |           |
| 24*27   | AI - 498  |             |           |           |
| 26*30   | AI - 499  |             |           |           |
| 29*33   | AI - 500  |             |           |           |
| 32*36   | AI - 501  |             |           |           |
| 35*40   | AI - 502  |             |           |           |
| 38*43   | AI - 503  |             |           |           |
| 41*48   | AI - 504  |             |           |           |
| 44*51   | AI - 505  |             |           |           |
| 48*56   | AI - 506  |             |           |           |
| 51*59   | AI - 507  |             |           |           |
| 54*62   | AI - 508  |             |           | 0,8       |
| 57*65   | AI - 509  |             |           |           |
| 60*68   | AI - 510  |             |           |           |
| 63*72   | AI - 511  |             |           |           |
| 67*75   | AI - 512  |             |           |           |
| 70*78   | AI - 513  |             |           |           |
| 73*81   | AI - 514  |             |           |           |
| 76*84   | AI - 515  |             |           |           |
| 78*86   | AI - 516  |             |           |           |
| 79*87   | AI - 517  |             |           |           |
| 82*91   | AI - 518  |             |           |           |
| 86*94   | AI - 519  |             |           |           |
| 89*97   | AI - 520  |             |           |           |
| 90*98   | AI - 521  |             |           |           |
| 92*100  | AI - 522  |             |           |           |
| 95*103  | AI - 523  |             |           |           |
| 101*110 | AI - 524  |             |           |           |
| 103*111 | AI - 525  |             |           |           |
| 105*113 | AI - 526  |             |           |           |
| 108*116 | AI - 527  |             |           |           |
| 114*122 | AI - 528  |             |           |           |
| 116*124 | AI - 529  |             |           |           |
| 121*129 | AI - 530  |             |           |           |
| 127*135 | AI - 531  |             |           |           |
| 133*141 | AI - 532  |             |           |           |
| 140*148 | AI - 533  |             |           |           |
| 146*154 | AI - 534  |             |           |           |
| 152*160 | AI - 535  |             |           |           |
| 159*167 | AI - 536  |             |           |           |
| 165*173 | AI - 537  |             |           |           |
| 171*180 | AI - 538  |             |           |           |
| 178*186 | AI - 539  |             |           |           |
| 184*192 | AI - 540  |             |           |           |
| 190*198 | AI - 541  |             |           |           |
| 197*205 | AI - 542  |             |           |           |
| 203*211 | AI - 543  |             |           |           |
| 210*218 | AI - 544  |             |           |           |
| 216*224 | AI - 545  |             |           |           |



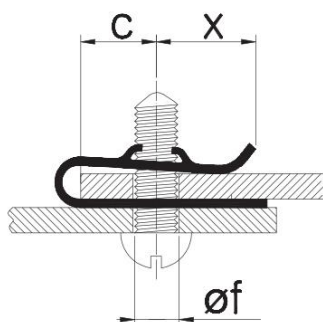
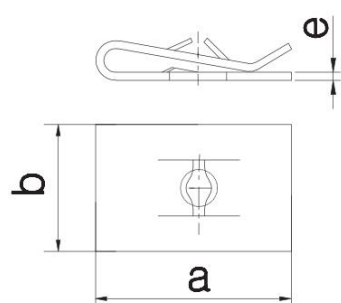
| W Material |                          |                   |
|------------|--------------------------|-------------------|
| Symbol     | Tape/Band                | Bolt              |
| <b>W2</b>  | AISI 430 Stainless Steel | 20 MnB4 Zn Plated |



## BATTERY TERMINAL



## CLIP



# COUPLINGS SINGLO/DOUBLO CASSETTE PIPED PATCH

## Coupling

Technical Data – Type CHA Coupling

| Specification | Pcs/carton | Packing Size(cm) | Weigh(kg) |
|---------------|------------|------------------|-----------|
| 2"            | 100        | 41*31*24         | 12        |
| 3"            | 100        | 56*41*26         | 15        |
| 4"            | 100        | 70*51*27         | 19        |
| 5"            | 50         | 49*33*53         | 15        |
| 6"            | 50         | 57*37*53         | 17        |
| 8"            | 20         | 45*45*32         | 30        |

Type CHA Coupling



Type B Coupling



Technical Data – Type B Coupling

| Specification | Pcs/carton | Packing Size(cm) | Weigh(kg) |
|---------------|------------|------------------|-----------|
| 2"            | 100        | 41*31*24         | 12        |
| 3"            | 100        | 56*41*26         | 15        |
| 4"            | 100        | 70*51*27         | 19        |
| 5"            | 50         | 49*33*53         | 15        |
| 6"            | 50         | 57*37*53         | 17        |
| 8"            | 20         | 45*45*32         | 30        |

Type C Coupling



Technical Data – Type C Coupling

| Specification | Pcs/carton | Packing Size(cm) | Weigh(kg) |
|---------------|------------|------------------|-----------|
| 2"            | 100        | 41*31*24         | 12        |
| 3"            | 100        | 56*41*26         | 15        |
| 4"            | 100        | 70*51*27         | 19        |
| 5"            | 50         | 49*33*53         | 15        |
| 6"            | 50         | 57*37*53         | 17        |
| 8"            | 20         | 45*45*32         | 30        |

Type F Coupling



Technical Data – Type F Coupling

| Specification | Pcs/carton | Packing Size(cm) | Weigh(kg) |
|---------------|------------|------------------|-----------|
| 2"            | 100        | 37*29*32         | 23        |
| 3"            | 100        | 48*39*32         | 26        |
| 4"            | 100        | 70*49*31         | 33        |
| 5"            | 50         | 61*44*42         | 29        |
| 6"            | 50         | 71*49*42         | 31        |
| 8"            | 30         | 70*47*55         | 30        |
| 10"           | 10         | 55*28*54         | 22        |
| 12"           | 10         | 64*33*74         | 27        |
| 15"           | 10         | 80*40*74         | 37        |

## SPIRAL BOLT HOSE CLAMP



Technical Data—Spiral Bolt Hose Clamp

| Size |     | Band Thickness<br>(mm) | Bolt Diameter<br>(mm) |
|------|-----|------------------------|-----------------------|
| Inch | mm  |                        |                       |
| 1    | 33  | 1                      | 6                     |
| 1.2  | 40  | 1                      | 6                     |
| 1.5  | 48  | 1                      | 6                     |
| 2    | 62  | 1                      | 6                     |
| 2.2  | 70  | 1                      | 6                     |
| 2.5  | 78  | 1.2                    | 8                     |
| 3    | 93  | 1.2                    | 8                     |
| 3.5  | 105 | 1.2                    | 8                     |
| 4    | 116 | 1.2                    | 8                     |
| 4.5  | 130 | 1.2                    | 8                     |
| 5    | 143 | 1.2                    | 8                     |
| 5.5  | 155 | 1.2                    | 8                     |
| 6    | 167 | 1.5                    | 10                    |
| 6.5  | 187 | 1.5                    | 10                    |
| 8    | 220 | 1.5                    | 10                    |
| 8.5  | 245 | 1.5                    | 10                    |
| 10   | 280 | 1.5                    | 10                    |
| 10.5 | 300 | 1.5                    | 10                    |
| 12   | 330 | 1.5                    | 10                    |



# THROBBING CLAMP

## Permanent Band Clamps

Invicta Throbbing Clamp are ideal for medium- to heavy-duty industrial hose and strapping applications. Invicta Secure-Strap, available in rolled and self-dispensing totes, and Invicta Secure-Seal, available in preformed J-Series or Center-Punch versions, are offered in 201 stainless steel or high-strength galvanized steel. Invicta also offers a wide variety of manual tools along with innovative power-tool solutions to make installation quick and easy.



/ Technical Data –Throbbing Clamp

| Throbbing Clamps 不锈钢扎带 |                  |            |            |            |
|------------------------|------------------|------------|------------|------------|
| Dimension (mm)         | Dimension (inch) | Band Width | Band Width | Band Width |
| 32                     | 1 1/4"           | 6.3        | 15         | /          |
| 35                     | 1 3/8"           | 6.3        | 15         | /          |
| 38                     | 1 1/2"           | 6.3        | 15         | /          |
| 44                     | 1 3/4"           | 6.3        | 15         | /          |
| 51                     | 2"               | 6.3        | 15         | 19         |
| 57                     | 2 1/4"           | 6.3        | 15         | 19         |
| 64                     | 2 1/2"           | /          | 15         | 19         |
| 70                     | 2 3/4"           | /          | 15         | 19         |
| 76                     | 3"               | /          | 15         | 19         |
| 89                     | 3 1/2"           | /          | 15         | 19         |
| 102                    | 4"               | /          | 15         | 19         |
| 114                    | 4 1/2"           | /          | 15         | 19         |
| 127                    | 5"               | /          | 15         | 19         |
| 152                    | 6"               | /          | 15         | 19         |
| 178                    | 7"               | /          | 15         | 19         |
| 203                    | 8"               | /          | 15         | 19         |

More size and material can be supplied according to customers' requirements. Above data just for reference.



## CLIC



CLIC / Technical Data-CLIC

| Diameter<br>(Inch) | Diameter<br>(mm) | Band Width<br>(mm) | Band Thickness<br>(mm) |
|--------------------|------------------|--------------------|------------------------|
| 0.33-0.37          | 8.38-9.40        | 5.8                | 0.5                    |
| 0.35-0.41          | 8.89-10.41       |                    |                        |
| 0.37-0.43          | 9.40-10.92       |                    |                        |
| 0.39-0.45          | 9.91-11.43       |                    |                        |
| 0.41-0.47          | 10.41-11.94      |                    |                        |
| 0.43-0.49          | 10.92-12.45      |                    |                        |
| 0.45-0.51          | 11.43-12.95      |                    |                        |
| 0.47-0.53          | 11.94-13.46      |                    |                        |
| 0.49-0.55          | 12.45-13.97      |                    |                        |
| 0.51-0.55          | 12.95-13.97      |                    |                        |
| 0.53-0.59          | 13.46-14.99      |                    |                        |
| 0.55-0.60          | 13.97-15.24      |                    |                        |
| 0.57-0.62          | 14.48-15.75      | 7.8                |                        |
| 0.59-0.64          | 14.99-16.26      |                    |                        |
| 0.60-0.66          | 15.24-16.76      |                    |                        |
| 0.62-0.68          | 15.75-17.27      |                    |                        |
| 0.64-0.70          | 16.26-17.78      |                    |                        |
| 0.66-0.72          | 16.76-18.29      |                    |                        |
| 0.68-0.74          | 17.27-18.80      |                    |                        |
| 0.70-0.76          | 17.78-19.30      |                    |                        |
| 0.72-0.76          | 18.29-19.30      |                    |                        |
| 0.74-0.80          | 18.80-20.32      |                    |                        |
| 0.76-0.82          | 19.30-20.83      |                    |                        |
| 0.78-0.84          | 19.81-21.34      |                    |                        |
| 0.80-0.86          | 20.32-21.84      |                    |                        |
| 0.82-0.90          | 20.83-22.86      |                    |                        |
| 0.84-0.92          | 21.34-23.37      |                    |                        |
| 0.86-0.94          | 21.84-23.88      |                    |                        |
| 0.88-0.96          | 22.35-24.38      |                    |                        |
| 0.92-0.99          | 23.37-25.15      |                    |                        |
| 0.94-1.01          | 23.88-25.65      |                    |                        |

More size and material can be supplied according to customers' requirements. Above data just for reference.

# EAR. LOW PROFILE. 2-EAR. MINI. SPRING. CLIC CLAMP



Technical Data—Low Profile Clamp

| Normal Situation Dimension<br>(mm) | Working Situation Dimension<br>(mm) |
|------------------------------------|-------------------------------------|
| 64.4                               | 60                                  |
| 64.9                               | 60.5                                |
| 65.4                               | 61                                  |
| 65.9                               | 61.5                                |
| 66.4                               | 62                                  |
| ...                                | ...                                 |
| ...                                | ...                                 |
| 112.4                              | 108                                 |
| 112.9                              | 108.5                               |
| 113.4                              | 109                                 |
| 113.9                              | 109.5                               |
| 114.4                              | 110                                 |

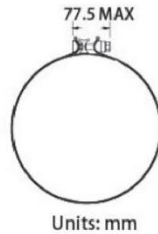
| Normal Situation Dimension<br>(mm) | Working Situation Dimension<br>(mm) |
|------------------------------------|-------------------------------------|
| 22                                 | 19.5                                |
| 22.5                               | 20                                  |
| 23                                 | 20.5                                |
| 23.5                               | 21                                  |
| 24                                 | 21.5                                |
| ...                                | ...                                 |
| ...                                | ...                                 |
| 110.5                              | 108                                 |
| 111                                | 108.5                               |
| 111.5                              | 109                                 |
| 112                                | 109.5                               |
| 112.5                              | 110                                 |

Note: band 7mm, thickness 6mm---706R Demention range from 66.9mm to 111.9mm, clamps can be supplied per 0.5mm.  
band 9mm, thickness 6mm--- 906R Demention range from 24.5mm to 110mm, clamps can be supplied per 0.5mm.

# DPF COUPLER CLAMP

## Wide DPF Coupler

■ Large Diameter Diesel Particulate Filter (DPF) clamp creates a reliable joint seal between separate sections of DPF.  
For Butt Joint Style Connections Tall Hardware for Socket Clearance Low Profile for Tight Packaging Space Diameter Ranges 10 9/16" – 13 9/16"



| Nominal Joint Diameter<br>(Pipe O.D.) |        |
|---------------------------------------|--------|
| Inch                                  | mm     |
| 10 9/16                               | 267.6  |
| 11 13/16                              | 300.75 |
| 13 9/16                               | 345.2  |

Units: mm

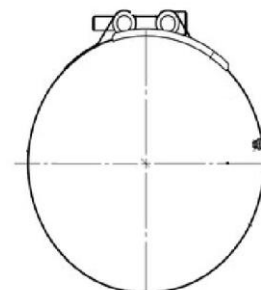
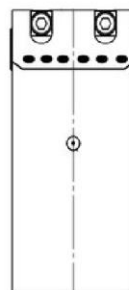
# Citroen / Peugeot / Mini Clamps



| Available Sizes |
|-----------------|
| 59 mm           |
| 62 mm           |
| 67 mm           |
| 70 mm           |
| 80 mm           |
| 83 mm           |
| 92 mm           |
| 94 mm           |

## Flex joiner Clamp

| Ø flex |        |
|--------|--------|
| mm     | Inch   |
| 77,1   | 3      |
| 81,0   | 3 1/8  |
| 88,9   | 3 1/2  |
| 102,7  | 4 3/8  |
| 110,0  | 4 1/3  |
| 115,5  | 4 1/2  |
| 121,1  | 4 3/4  |
| 132,0  | 5 1/16 |
| 157,5  | 6 1/5  |



## 3 Hole type Exhaust Plate

Available in : Zinc Plating, Chrome Plating, Stainless Steel  
304 Custom Sizes Available on Request

### Available Sizes

42mm

48mm

57mm

73mm



## Bridge Clamp / Worm Gear Band



| Spannbereich | Bandbreite | Artikelnummer  | W2 | Artikelnummer    | W4 | Werkstoffe                                                                                     |
|--------------|------------|----------------|----|------------------|----|------------------------------------------------------------------------------------------------|
| 40 - 60      | 9          | BS 40-60 /9W2  |    | SPSG 40-60 /9W4  |    | W2<br>Band und Gehäuse aus<br>Werkstoff 1.4016,<br>Schraube Stahl verzinkt<br>mit Kreuzschlitz |
| 50 - 70      |            | BS 50-70 /9W2  |    | SPSG 50-70 /9W4  |    |                                                                                                |
| 60 - 80      |            | BS 60-80 /9W2  |    | SPSG 60-80 /9W4  |    | W4<br>Komplett rostfreier Stahl<br>1.4301 (=V2A),<br>Schraube mit Schlitz                      |
| 70 - 90      |            | BS 70-90 /9W2  |    | SPSG 70-90 /9W4  |    |                                                                                                |
| 80 - 100     |            | BS 80-100 /9W2 |    | SPSG 80-100 /9W4 |    |                                                                                                |
| 90 - 110     |            | BS 90-110 /9W2 |    | SPSG 90-110 /9W4 |    |                                                                                                |
| 40 - 60      |            | BS 40-60 /12W2 |    | SPSG 40-60 /12W4 |    | Alle Maße in mm                                                                                |
| 50 - 70      |            | BS 50-70 /12W2 |    | SPSG 50-70 /12W4 |    |                                                                                                |

## CUSHION CLAMP

### Size & detail of clamp

1. Cushion Clamps, SS 304 Size: 5/8" (Pipe OD)  
Bush should withstand – 50 Deg C to + 110 Deg C
2. Cushion Clamps, SS 304 Size: 7/8" (Pipe OD)  
Bush should withstand – 50 Deg C to + 110 Deg C
3. Cushion Clamps, SS 304 Size: 1 1/8" (Pipe OD)  
Bush should withstand – 50 Deg C to + 110 Deg C
4. Cushion Clamps, SS 304 Size: 1 3/8" (Pipe OD)  
Bush should withstand – 50 Deg C to + 110 Deg C



## TOOTHED CLAMP

Material: stainless steel

Type: toothed

other characteristics: band

| AVAILABLE SIZE |     |
|----------------|-----|
| INCH           | MM  |
| 2              | 50  |
| 3-1/2          | 88  |
| 4              | 102 |
| 5              | 127 |
| 6              | 152 |
| 7              | 177 |
| 8              | 203 |
| 9              | 228 |
| 10             | 254 |
| 12             | 305 |
| 14             | 355 |
| 16             | 406 |
| 18             | 457 |
| 20             | 508 |



## DG2 PIPE CLAMPS WITH WELDING WOOD SCREW



| PRODUCT CODE         | SIZE (MM) | SIZE (INCH) | SCREW | WIDTH *THICKNES | CONNECTION SCREW | (A) MM | MAX.RECOM.LOAD.N |
|----------------------|-----------|-------------|-------|-----------------|------------------|--------|------------------|
| BRD5W1-012015-O7EP01 | 12-15     | 1/4         | 7*70  | 20*1.5          | M6*18            | 57.5   | 800              |
| BRD5W1-015019-O7EP01 | 15-19     | 3/8         | 7*70  | 20*1.5          | M6*18            | 61.5   | 800              |
| BRD5W1-020025-O7EP01 | 20-25     | 1/2         | 7*70  | 20*1.5          | M6*25            | 67.0   | 800              |
| BRD5W1-025030-O7EP01 | 25-30     | 3/4         | 7*70  | 20*1.5          | M6*25            | 72.3   | 800              |
| BRD5W1-031037-O7EP01 | 31-37     | 1           | 7*70  | 20*1.5          | M6*25            | 79.3   | 800              |
| BRD5W1-038044-O7EP01 | 38-44     | 1 1/4       | 7*70  | 20*1.5          | M6*25            | 86.0   | 800              |
| BRD5W1-045052-O7EP01 | 45-52     | 1 1/2       | 7*70  | 20*1.5          | M6*25            | 94.3   | 800              |
| BRD5W1-053058-O7EP01 | 53-58     | -           | 7*70  | 20*1.5          | M6*25            | 101.3  | 800              |
| BRD5W1-059065-O7EP01 | 59-65     | 2           | 7*70  | 20*1.5          | M6*25            | 108.6  | 800              |
| BRD5W1-067074-O7EP01 | 67-74     | -           | 7*70  | 25*2            | M6*25            | 124.0  | 800              |
| BRD5W1-074082-O7EP01 | 74-80     | 2 1/2       | 7*70  | 25*2            | M6*25            | 130.5  | 800              |

## DG2 PIPE CLAMPS WITH WELDING WOOD SCREW



| PRODUCT CODE         | SIZE (MM) | SIZE (INCH) | SCREW | WIDTH *THICKNES | CONNECTION SCREW | (A) MM | MAX.RECOM.LOAD.N |
|----------------------|-----------|-------------|-------|-----------------|------------------|--------|------------------|
| BRD5W1-012015-O8EP01 | 12-15     | 1/4         | 7*100 | 20*1.5          | M6*18            | 57.5   | 800              |
| BRD5W1-015019-O8EP01 | 15-19     | 3/8         | 7*100 | 20*1.5          | M6*18            | 61.5   | 800              |
| BRD5W1-020025-O8EP01 | 20-25     | 1/2         | 7*100 | 20*1.5          | M6*25            | 67.0   | 800              |
| BRD5W1-025030-O8EP01 | 25-30     | 3/4         | 7*100 | 20*1.5          | M6*25            | 72.3   | 800              |
| BRD5W1-031037-O8EP01 | 31-37     | 1           | 7*100 | 20*1.5          | M6*25            | 79.3   | 800              |
| BRD5W1-038044-O8EP01 | 38-44     | 1 1/4       | 7*100 | 20*1.5          | M6*25            | 86.0   | 800              |
| BRD5W1-045052-O8EP01 | 45-52     | 1 1/2       | 7*100 | 20*1.5          | M6*25            | 94.3   | 800              |
| BRD5W1-053058-O8EP01 | 53-58     | -           | 7*100 | 20*1.5          | M6*25            | 101.3  | 800              |
| BRD5W1-059065-O8EP01 | 59-65     | 2           | 7*100 | 20*1.5          | M6*25            | 108.6  | 800              |
| BRD5W1-067074-O8EP01 | 67-74     | -           | 7*100 | 25*2            | M6*25            | 124.0  | 800              |
| BRD5W1-074082-O8EP01 | 74-80     | 2 1/2       | 7*100 | 25*2            | M6*25            | 130.5  | 800              |
| BRD5W1-074082-O8EP01 | 82-92     | 3           | 7*100 | 25*2            | M6*30            | 141.5  | 800              |
| BRD5W1-074082-O8EP01 | 90-102    | -           | 7*100 | 25*2            | M6*35            | 151.0  | 800              |
| BRD5W1-074082-O8EP01 | 108-118   | 4           | 7*100 | 25*2            | M6*30            | 168.0  | 800              |
| BRD5W1-074082-O8EP01 | 120-130   | -           | 7*100 | 25*2            | M6*30            | 181.0  | 800              |

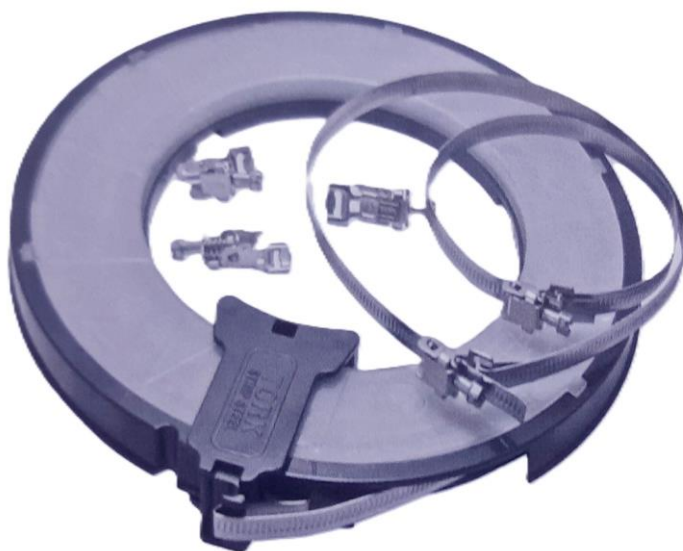


TORK G CLAMPS



| F     | S   | A  | D  | E    | B  | C   |
|-------|-----|----|----|------|----|-----|
| M8X20 | 2.5 | 30 | 20 | 12.7 | 19 | 7.3 |

## STRIP STEEL & LOCKING DEVICE 9MM



PRODUCT CODE - MR060W1-009-01

DESCRIPTION – STRIP STEEL

BAND WIDTH (B1) – 9MM

BAND THICKNESS (S) – 0.60MM

BAND LENGTH – 30 M

QUANTITY PCS BOX - 10

## Custom Clamps

We are perfectly set up to fulfil almost any special request and professionally meet any requirements our clients have regarding versions, materials and surfaces of hose and fastening clamps. High-quality Invicta custom clamps are one of our core manufacturing strengths. We create expert, fast-turnaround solutions to your special product requirements!

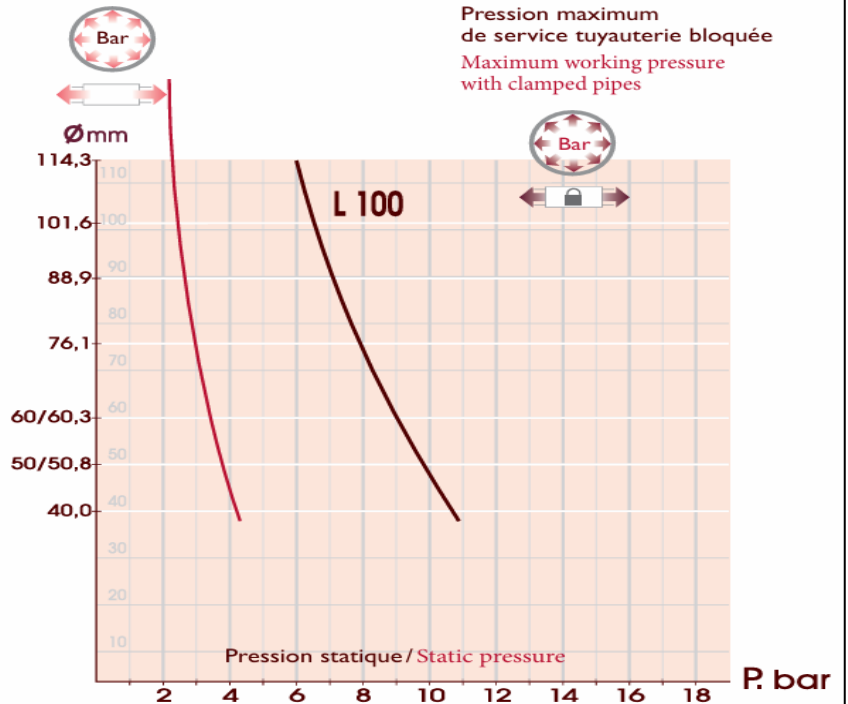


## Sleeves and Coupling



| Ø       | L 100 |
|---------|-------|
| 38,1    |       |
| 40      |       |
| 45      |       |
| 50/50,8 |       |
| 54      |       |
| 55      |       |
| 60/60,3 |       |
| 63,5    |       |
| 65      |       |
| 70      |       |
| 75      |       |
| 76,1    |       |
| 80      |       |
| 82      |       |
| 84      |       |
| 85      |       |
| 88,9    |       |
| 95      |       |
| 100     |       |
| 101,6   |       |
| 104     |       |
| 105     |       |
| 108     |       |
| 114,3   |       |

Pression maximum  
de service tuyauterie libre  
Maximum working pressure  
with free-hanging pipes

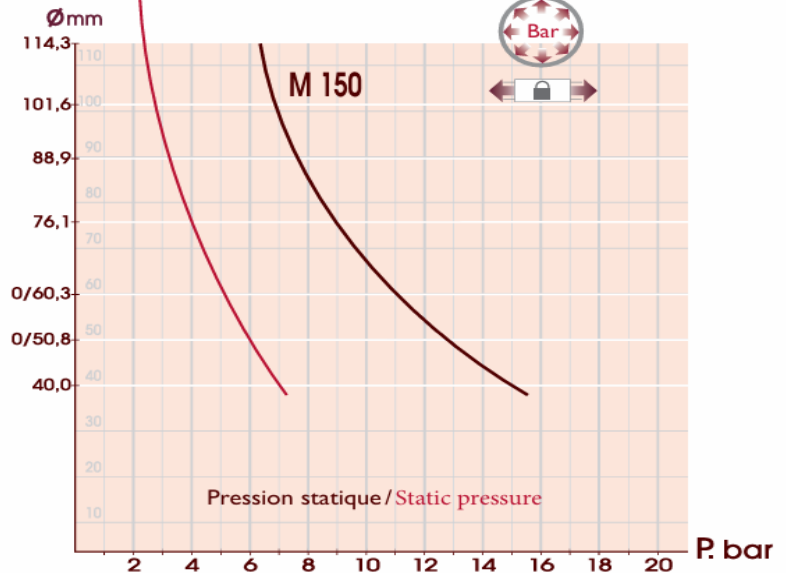
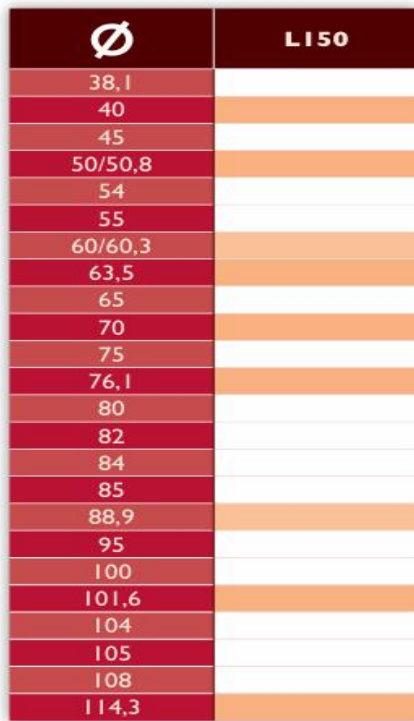


### SPECIFICATION OF STANDARD COUPLING

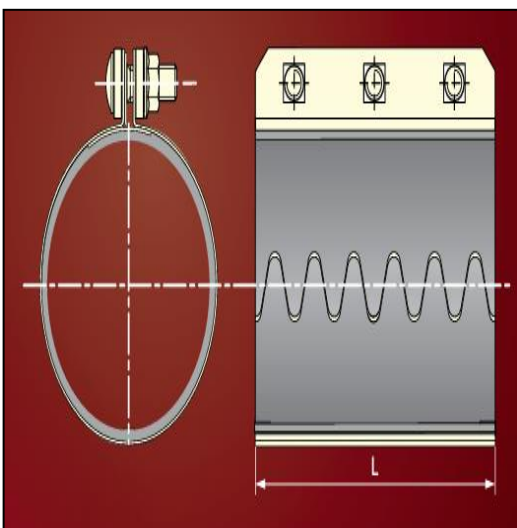
- Outside skin in stainless steel 430
- Black SBR gasket -30°C/+80°C
- Zinc plated bolts
- Conductivity with eyelet

### OPTIONS

- All stainless steel 304L version
- White NBR gasket FDA -30°C/+110°C; European Regulation 1935/2004 CE and REACH 1907/2006 CE
- Silicone VMQ gasket -65°C/+225°C
- Blue silicone gasket -40°C/+180°C
- Viton FPM gasket -20°C/+250°C
- Coupling with clamp and side bars (see p. 5)
- Coupling for two tubes with different diameters (see p. 5)
- Conductivity strip in copper CU A1
- Conductive protecting ring in stainless steel 304L (see p. 5)

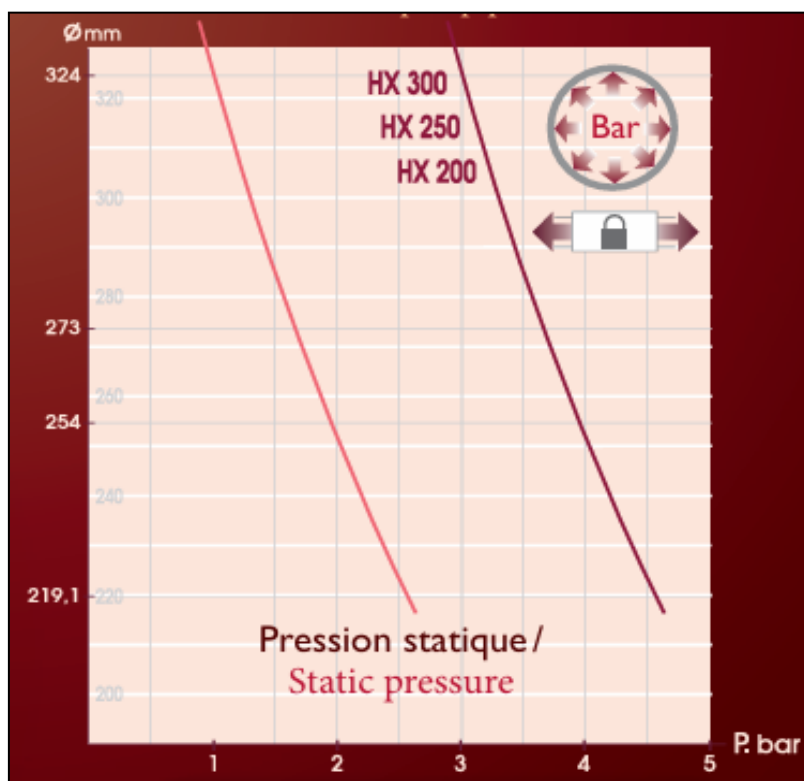
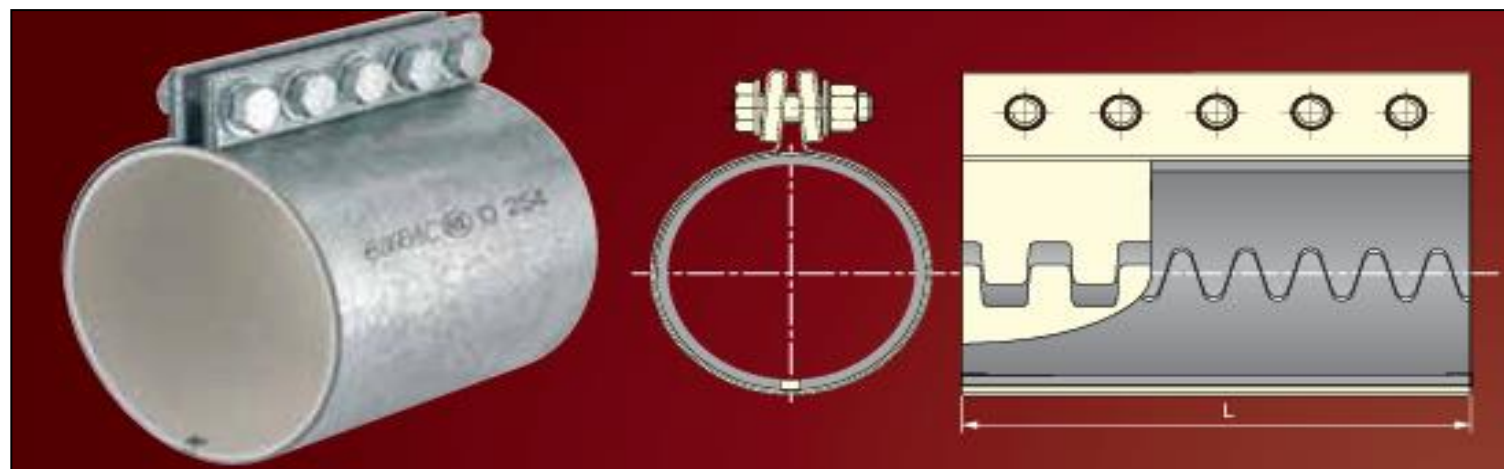


- All stainless steel 304L version
- White NBR gasket FDA -30°C/+110°C; European Regulation 1935/2004 CE and REACH 1907/2006 CE
- Silicone VMQ gasket -65°C/+225°C
- Blue silicone gasket -40°C/+180°C
- Viton FPM gasket -20°C/+250°C
- Coupling with clamp and side bars (see p. 7)
- Coupling for tubes with different diameters (see p. 7)
- Conductivity strip in copper CU A1
- Conductive protecting ring in stainless steel 304L (see p. 7)





## Sleeves and Coupling



### DESCRIPTIF STANDARD SPECIFICATION OF STANDARD COUPLING

- Enveloppe extérieure acier galvanisé  
Outside skin in galvanised steel
- Enveloppe intérieure acier galvanisé  
Inside skin in galvanised steel
- Joint NBR blanc FDA -30°C/+110°C; Règlement Européen 1935/2004 CE et REACH 1907/2006 CE  
White NBR gasket FDA -30°C/+110°C; European Regulation 1935/2004 CE and REACH 1907/2006 CE
- Boulons zingués  
Zinc plated bolts
- Lamelle de conductivité inox 304 L  
Stainless steel 304 L, conductivity strip

### OPTIONS / OPTIONS

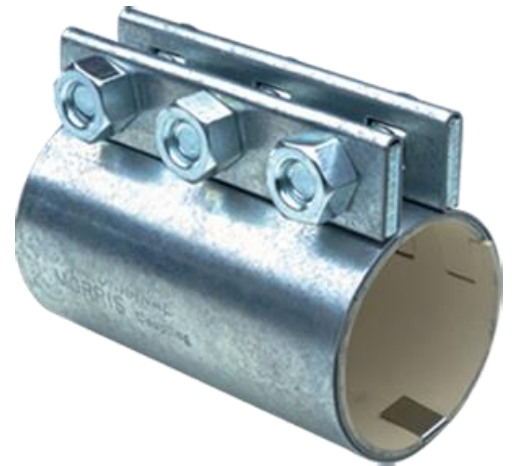
- Version tout inox 304L  
All stainless steel 304L version
- Joint SBR noir -30°C/+80°C  
Black SBR gasket -30°C/+80°C
- Joint silicone VMQ -65°C/+225°C  
Silicone VMQ gasket -65°C/+225°C
- Joint silicone détectable bleu -40°C/+180°C  
Blue silicone gasket -40°C/+180°C
- Joint Viton FPM noir -20°C/+250°C  
Viton FPM gasket -20°C/+250°C
- Raccord pont  
Coupling with clamp and side bars
- Lamelle de conductivité cuivre CU A1  
Conductivity strip in copper CU A1
- Anneau protecteur conducteur inox 304L  
Conductive protection ring in stainless steel 304L

## Sleeves and Coupling

### COMPRESSION COUPLINGS

The compression coupling designed to join pipe and tubing for pneumatic conveying systems.

- Easy to install
- Pipe and tube sizes 1/2" through 48"
- Standard construction is heavy gauge zinc-plated steel
- Also available in stainless steel and aluminum
- Static conductive grounding strip is standard



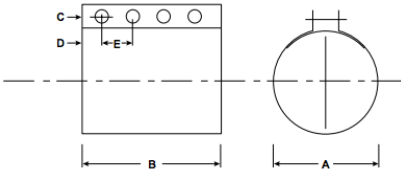
| Size               | Thickness |        |
|--------------------|-----------|--------|
|                    | Shell     | Sleeve |
| 1/2" - 2-7/8" OD   | 0.052     | 0.052  |
| 3" OD              | 0.052     | 0.052  |
| 3-1/4" - 5" OD     | 0.062     | 0.052  |
| 5-1/4" - 8-5/8" OD | 0.062     | 0.052  |
| 9" - 24" OD        | 0.062     | 0.062  |

# Sleeves and Coupling

## CLAMP SLEEVES

Standard clamp sleeves are manufactured from galvanized steel. For other materials contact the factory. All hardware is included and assembled in the coupling for customer convenience. Clamp sleeves are designed for low-pressure systems. Designed to be used in message tube systems. Not suitable for pneumatic conveying.

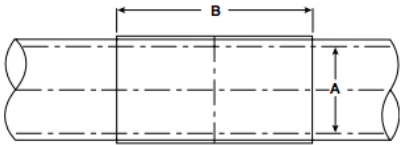
| I.D. | Length | Number of Holes | D    | E     | Gauge |
|------|--------|-----------------|------|-------|-------|
| A    | B      | C               |      |       |       |
| 3"   | 5"     | 4               | .40" | 1.40" | 18    |
| 4"   | 5"     | 4               | .40" | 1.40" | 18    |
| 6"   | 5"     | 4               | .40" | 1.40" | 18    |
| 8"   | 5"     | 4               | .40" | 1.40" | 18    |



## SOLID SLEEVES

Galvanized steel solid sleeves for low-pressure systems. The solid sleeve fits the outside diameter of the tubing or fitting. It may be attached by the use of a shrink sleeve, adhesive, brazing or welding.

| I.D. | Length | Gauge |
|------|--------|-------|
| A    | B      |       |
| 3"   | 4"     | 16    |
| 4"   | 5"     | 16    |
| 5"   | 6"     | 16    |
| 6"   | 3"     | 16    |
| 6"   | 6"     | 16    |
| 8"   | 3"     | 16    |
| 8"   | 6"     | 16    |





## Mounting Strap



### Available Diameters

To Suit Application

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

To Suit Application

### Bolt Sizes Available - Imperial

To Suit Application

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Band Clamp with T Bolt & Formed Tongue



### Available Diameters

50mm - 800mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8

### Bolt Sizes Available - Imperial

1/4", 5/16"

### Max. Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

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specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Band Clamp with Lever and Tongue



### Available Diameters

90mm - 800mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8

### Bolt Sizes Available - Imperial

1/4", 5/16"

### Max. Torque Settings - Metric

M6 – 10 Nm

M8 – 20Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## B2B style Clamp



### Available Diameters

60mm- 800mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8

### Bolt Sizes Available - Imperial

1/4", 5/16"

### Max.Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Band Clamp with Qucik Realease & Tongue



### Available Diameters

60mm - 800mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8

### Bolt Sizes Available - Imperial

1/4", 5/16"

### Max. Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Band Clamp T Bolt And Tongue



### Available Diameters

60mm - 800mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8

### Bolt Sizes Available - Imperial

1/4", 5/16"

### Max. Torque Settings - Metric

M6 – 10 Nm

M8 – 20Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Band Clamp T Bolt And Formed Tongue



### Available Diameters

70mm- 1000mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M8, M10, M12

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max.Torque Settings - Metric

M8 – 20Nm

M10 – 27Nm

M12 – 42Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Band Clamp



### Available Diameters

50mm - 500mm

### Available Materials

300 & 400 series Stainless Steel

### Bolt Sizes Available - Metric

M8, M10, M12, M16

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

To be confirmed by application

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection



## Mounting Strap



### Available Diameters

200mm - 600mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

To Suit Application

### Bolt Sizes Available - Imperial

To Suit Application

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Band Clamp With Quick Release



### Available Diameters

60mm - 800mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8, M10

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

M10 – 27Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Mounting Strap



### Available Diameters

To Suit Application

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8, M10, M12

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

M10 – 27Nm

M12 – 42Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Mounting Strap



### Available Diameters

To Suit Application

### Available Materials

300 & 400 Series Stainless Steel

### Bolt Sizes Available - Metric

To Suit Application

### Bolt Sizes Available - Imperial

To Suit Application

### Strap Width Options

Strap width is determined by clamp design and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on correct material selection

## Band Clamp Quick Release No tongue



### Available Diameters

60mm - 500mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8, M10

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

M10 – 27Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Mounting Strap



### Available Diameters

100mm - 500mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8, M10, M12

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

M10 – 27Nm

M12 – 42Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Mounting Strap



### Available Diameters

200mm - 600mm

### Available Materials

300 & 400 Series Stainless Steel

### Bolt Sizes Available - Metric

To Suit Application

### Bolt Sizes Available - Imperial

To Suit Application

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Intergrated Gasket Clamp



### Available Diameters

45mm - 120mm

### Available Materials

300 Series Stainless Steel, Inconel

### Bolt Sizes Available - Metric

M6, M8

### Bolt Sizes Available - Imperial

1/4", 5/16"

### Max. Torque Settings - Metric

To be confirmed by application

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Flange tip width range

4mm - 8mm

### Flange depth range

3.5mm - 6mm

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on correct material selection



## Pressed Clamp With Bridge Piece



### Available Diameters

45mm - 120mm

### Available Materials

300 Series Stainless Steel, Inconel

### Bolt Sizes Available - Metric

M6, M8

### Bolt Sizes Available - Imperial

1/4", 5/16"

### Max. Torque Settings - Metric

To be confirmed by application

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

### Flange tip width range

4mm - 8mm

### Flange depth range

3.5mm - 6mm

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on correct material selection

## Pressed BRA Clamp



### Available Diameters

45mm - 100mm

### Available Materials

300 Series Stainless Steel, Inconel

### Bolt Sizes Available - Metric

M6, M8

### Bolt Sizes Available - Imperial

1/4", 5/16"

### Max. Torque Settings - Metric

To be confirmed by application

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

### Flange tip width range

4mm - 8mm

### Flange depth range

3.5mm - 6mm

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on correct material selection

## G Coupling



### Available Diameters

45mm - 120mm

### Available Materials

300 Series Stainless Steel, Inconel

### Bolt Sizes Available - Metric

M6, M8

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

To be confirmed by application

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Flange tip width range

4mm - 8mm

### Flange depth range

3.5mm - 6mm

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on correct material selection

## Band Clamp Quick Release No Tongue



### Available Diameters

60mm - 800mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8, M10

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

M6 – 10 Nm

M8 – 20Nm

M10 – 27Nm

M12 – 42Nm

M16 – 100Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Band Clamp With Quick Release & Tongue



### Available Diameters

60mm - 800mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8, M10

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

M10 – 27Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Formed LUG Ring Clamp



### Available Diameters

70mm - 250mm

### Available Materials

300 & 400 Series Stainless Steel

### Bolt Sizes Available - Metric

M6, M8

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

To be confirmed by application

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Flange tip width range

5mm - 8mm

### Flange depth range

3.5mm - 6mm

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on correct material selection

## Sensor Boss Clamp Assembly



### Available Diameters

76mm - 500mm

### Available Materials

300 & 400 Series Stainless Steel

### Bolt Sizes Available - Metric

M8, M10, M12

### Bolt Sizes Available - Imperial

5/16", 3/8"

### Max. Torque Settings - Metric

M8 – 20Nm

M10 – 27Nm

M12 – 42Nm

### Max. Torque Settings - Imperial

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Strap Width Options

Strap width is determined by clamp design and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on correct material selection

## Slip Joint



### Available Diameters

50mm - 400mm

### Available Materials

300 & 400 Series Stainless Steel

### Bolt Sizes Available - Metric

M6, M8, M10, M12

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

M10 – 27Nm

M12 – 42Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Flange tip width range

To Suit Gasket Design

### Flange depth range

To Suit Gasket Design

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 700°C Gas Temp based on  
correct material selection



## Small Diameter Slip Joint



### Available Diameters

40mm - 50mm

### Available Materials

300 & 400 Series Stainless Steel

### Bolt Sizes Available - Metric

M6

### Bolt Sizes Available - Imperial

1/4"

### Max. Torque Settings - Metric

M6 – 10Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

### Flange tip width range

To Suit Gasket Design

### Flange depth range

To Suit Gasket Design

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 700°C Gas Temp based on  
correct material selection

## Spherical Joint Clamp



### Available Diameters

50mm - 500mm

### Available Materials

300 & 400 Series Stainless Steel

### Bolt Sizes Available - Metric

M6, M8, M10, M12

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

M10 – 27Nm

M12 – 42Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Flange tip width range

To Suit Application

### Flange depth range

To Suit Application

### Strap Width Options

Strap width is determined by clamp design and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on correct material selection

## Band Clamp T Bolt No tongue



### Available Diameters

60mm - 800mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8, M10, M12

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

M10 – 27Nm

M12 – 42Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Strap Width Options

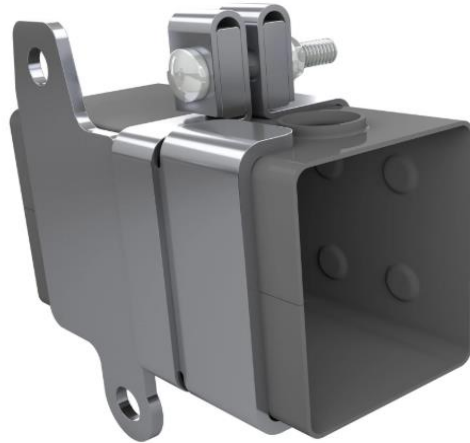
Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Band Clamp Square with No Tongue



### Available Diameters

40mm - 600mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8, M10, M12

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

M6 – 10Nm

M8 – 20Nm

M10 – 27Nm

M12 – 42Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Double Bolted Clamp



### Available Diameters

80mm - 1500mm

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

M6, M8, M10, M12, M16

### Bolt Sizes Available - Imperial

1/4", 5/16", 3/8"

### Max. Torque Settings - Metric

M6 – 10 Nm

M8 – 20Nm

M10 – 27Nm

M12 – 42Nm

M16 – 100Nm

### Max. Torque Settings - Imperial

1/4" – 7.38 ft lb

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Flange tip width range

4mm - 22mm

### Flange depth range

3.5mm - 20mm

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

### Max. Operating Pressure Guide

\*Note Stated pressures are for general guidance at  
ambient temperature. For specific ratings for each clamp  
type and design please contact our Engineering  
Department.

100mm Dia. Max 200 Barg

300mm Dia. Max 70 Barg

500mm Dia. Max 25 Barg

## Double Bolted Clamp



### Available Diameters

100mm - 1500mm

### Available Materials

300 & 400 Series Stainless Steel

### Bolt Sizes Available - Metric

M8, M10

### Bolt Sizes Available - Imperial

5/16", 3/8"

### Max. Torque Settings - Metric

M8 – 20Nm

M10 – 27Nm

### Max. Torque Settings - Imperial

5/16" – 14.75 ft lb

3/8" – 20 ft lb

### Flange tip width range

7mm - 13mm

### Flange depth range

3.5mm - 20mm

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For specific temperature ratings for each clamp type and design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on correct material selection

### Max. Operating Pressure Guide

\*Note Stated pressures are for general guidance at ambient temperature. For specific ratings for each clamp type and design please contact our Engineering Department.

100mm Dia. Max 200 Barg

300mm Dia. Max 70 Barg

500mm Dia. Max 25 Barg

## 1 Bolted Clamp with 2 hinge



### Available Diameters

To Suit Application

### Available Materials

300 & 400 Series Stainless Steel, Inconel,  
others on request

### Bolt Sizes Available - Metric

To Suit Application

### Bolt Sizes Available - Imperial

To Suit Application

### Strap Width Options

Strap width is determined by clamp design  
and bolt size

### Operating Temperatures Guide

\*Note Stated Temperatures are for guidance only. For  
specific temperature ratings for each clamp type and  
design please contact our Engineering Department.

From -40°C to 900°C Gas Temp based on  
correct material selection

## Barrel Hardware Clamp



| Part No. | ENGLISH(inches) |         |         | METRIC(millimeters) |         |         |
|----------|-----------------|---------|---------|---------------------|---------|---------|
|          | NOMINAL         | MINIMUM | MAXIMUM | NOMINAL             | MINIMUM | MAXIMUM |
| BHC-150  | 1.50            | 1.36    | 1.64    | 38                  | 35      | 42      |
| BHC-175  | 1.75            | 1.61    | 1.89    | 45                  | 41      | 48      |
| BHC-188  | 1.88            | 1.74    | 2.02    | 48                  | 44      | 51      |
| BHC-200  | 2.00            | 1.86    | 2.14    | 51                  | 47      | 54      |
| BHC-212  | 2.12            | 1.98    | 2.26    | 54                  | 50      | 57      |
| BHC-225  | 2.25            | 2.11    | 2.39    | 57                  | 54      | 61      |
| BHC-238  | 2.38            | 2.24    | 2.52    | 60                  | 57      | 64      |
| BHC-250  | 2.50            | 2.36    | 2.64    | 63                  | 60      | 67      |
| BHC-256  | 2.56            | 2.42    | 2.70    | 65                  | 61      | 69      |
| BHC-262  | 2.62            | 2.48    | 2.76    | 67                  | 63      | 70      |
| BHC-275  | 2.75            | 2.61    | 2.89    | 69                  | 66      | 73      |
| BHC-288  | 2.88            | 2.74    | 3.02    | 73                  | 70      | 77      |
| BHC-300  | 3.00            | 2.86    | 3.14    | 76                  | 73      | 80      |
| BHC-312  | 3.12            | 2.98    | 3.26    | 79                  | 76      | 83      |
| BHC-325  | 3.25            | 3.11    | 3.39    | 82                  | 79      | 86      |
| BHC-350  | 3.50            | 3.36    | 3.64    | 88                  | 85      | 92      |
| BHC-400  | 4.00            | 3.86    | 4.14    | 101                 | 98      | 105     |
| BHC-425  | 4.25            | 4.11    | 4.39    | 107                 | 104     | 112     |
| BHC-450  | 4.50            | 4.36    | 4.64    | 114                 | 110     | 118     |
| BHC-500  | 5.00            | 4.86    | 5.14    | 127                 | 123     | 131     |
| BHC-550  | 5.50            | 5.36    | 5.64    | 139                 | 136     | 143     |
| BHC-600  | 6.00            | 5.86    | 6.14    | 152                 | 149     | 156     |
| BHC-650  | 6.50            | 6.36    | 6.64    | 165                 | 162     | 169     |
| BHC-700  | 7.00            | 6.86    | 7.14    | 178                 | 174     | 181     |
| BHC-750  | 7.50            | 7.364   | 7.64    | 191                 | 187     | 194     |
| BHC-766  | 7.66            | 7.52    | 7.80    | 194                 | 191     | 198     |
| BHC-800  | 8.00            | 7.86    | 8.14    | 203                 | 200     | 207     |
| BHC-850  | 8.50            | 8.36    | 8.64    | 216                 | 212     | 219     |



## Multi-Purpose Clamps



- For industrial, hardware, automotive and general purpose use
- All 300 series stainless steel for superior corrosion protection
- Heavy duty, non-perforated band
- Available with removable safety collar to prevent screwdriver slip injuries
- Rolled edge and smooth underside to prevent hose damage
- Technically advanced design improves sealing capability
- Refer to page 30 for packaging styles

## Single Ear Clamp

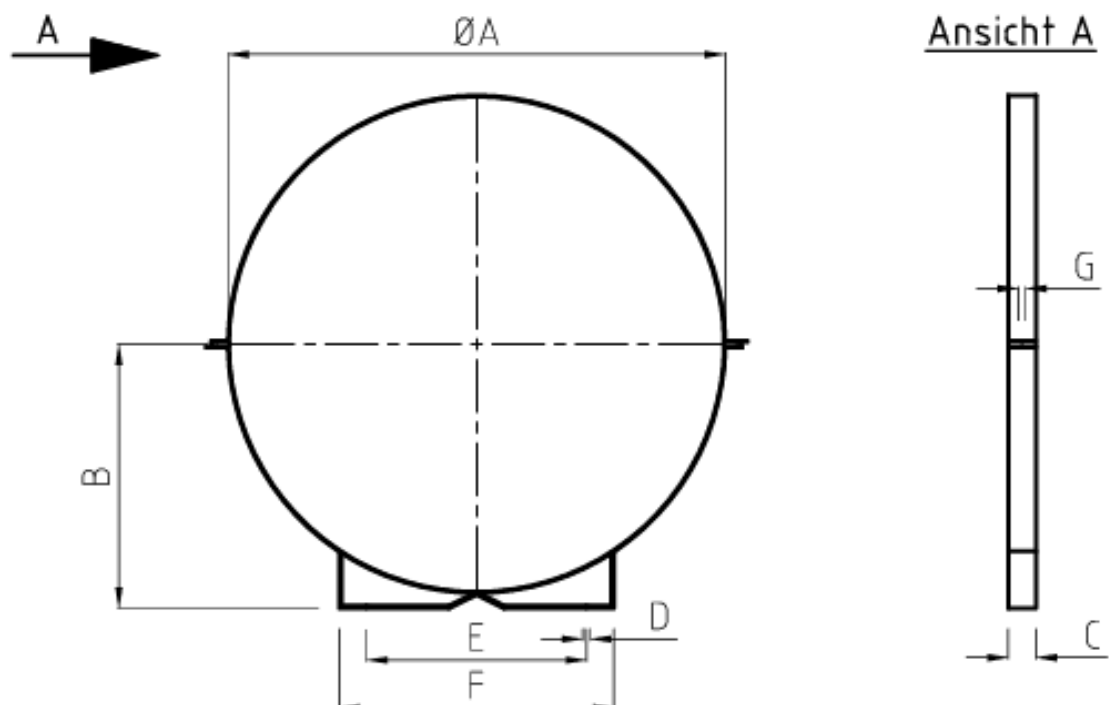


This kind of clamp is manufactured using #300 Stainless Steel, and offers 360° seamless fastening and clamping force up to min1500N . Due to their seamless design and uniform compression sealing, these clamps are often used in the automotive, marine, and motorcycle industries.

Features:

- Marine Grade Clamps
- All #300 stainless steel for excellent corrosion resistance
- Easy installation
- Complete size series

# Stainless Steel Retaining Clamp



| Typ    | A   | B   | C  | D                | E   | F   | G                |
|--------|-----|-----|----|------------------|-----|-----|------------------|
| ZO 250 | 250 | 170 | 50 | $\varnothing 13$ | 120 | 170 | $\varnothing 11$ |
| ZO 273 | 273 | 175 | 50 | $\varnothing 13$ | 160 | 200 | $\varnothing 11$ |
| ZO 300 | 300 | 175 | 50 | $\varnothing 13$ | 160 | 200 | $\varnothing 11$ |
| ZO 350 | 350 | 212 | 50 | $\varnothing 13$ | 200 | 260 | $\varnothing 11$ |
| ZO 400 | 400 | 222 | 50 | $\varnothing 13$ | 250 | 300 | $\varnothing 11$ |
| ZO 450 | 450 | 252 | 50 | $\varnothing 13$ | 300 | 350 | $\varnothing 11$ |
| ZO 500 | 500 | 275 | 50 | $\varnothing 13$ | 300 | 350 | $\varnothing 11$ |
| ZO 550 | 550 | 300 | 50 | $\varnothing 13$ | 310 | 370 | $\varnothing 11$ |
| ZO 600 | 600 | 320 | 50 | $\varnothing 13$ | 340 | 400 | $\varnothing 11$ |
| ZO 700 | 700 | 380 | 50 | $\varnothing 13$ | 350 | 440 | $\varnothing 11$ |
| ZO 790 | 790 | 420 | 50 | $\varnothing 13$ | 380 | 470 | $\varnothing 11$ |
| ZO 900 | 900 | 480 | 50 | $\varnothing 13$ | 400 | 500 | $\varnothing 11$ |
|        |     |     |    |                  |     |     |                  |
|        |     |     |    |                  |     |     |                  |
|        |     |     |    |                  |     |     |                  |
|        |     |     |    |                  |     |     |                  |

## Constant Pressure Worm Drive Clamp



## High Torque Worm Drive Clamp



# CERTIFICATIONS



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