





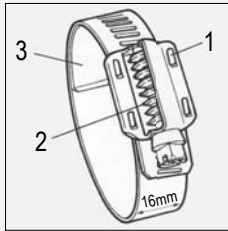
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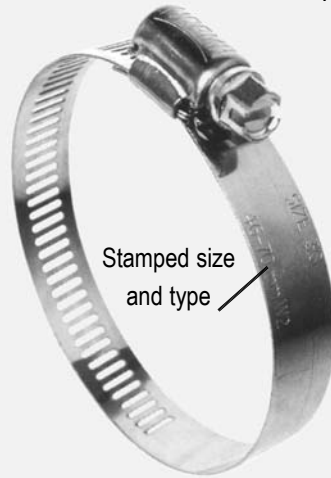
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IHC

WORM DRIVE CLAMPS

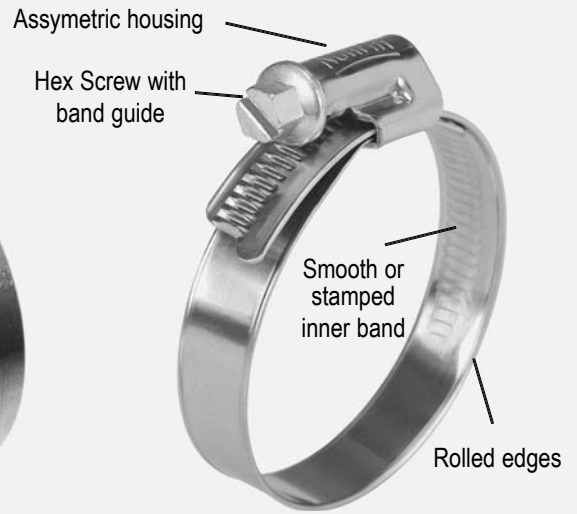


High Torque W4 Slotted Band



Stamped size and type

Standard W4 Slotted Band

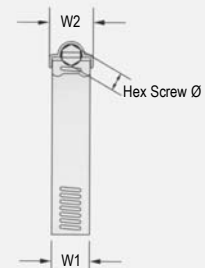
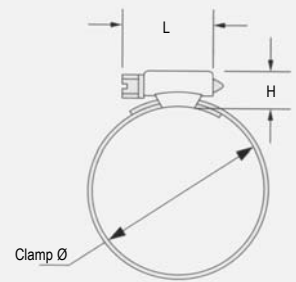


W1 and W4 Solid Band

High Torque Slotted Band	Standard Slotted Band	Torro Solid Band (W1 and W4)
<p>Construction: Wide screw housing riveted to saddle (1) in 4 spots to ensure full engagement of the 8 threads (2) One piece extended band liner (3) provides isolation of the hose from the band slots, thus preventing extrusion and shear of the hose cover through the slots Wide 16 mm x 0.7 mm thick band with 17Nm recommended tightening torque (about double that of the standard clamp) 8mm A/F slotted hex head</p>	<p>Construction: Material (W4) and size range stamped permanently on the band to minimise errors One piece Stainless Steel housing 1/2 inch (12.7mm) wide band with low free torque Wide operating range for each size 5/16" (8mm) A/F Hex Head screw</p>	<p>Construction: Assymmetric screw area ensures even distribution of forces and safe assembly Short screw housing saddle provides even contact pressure and improved efficiency Assymmetric extension to the housing prevents tilt of the housing when tightened Purpose built hex screw guides the emerging band end during tightening Smooth band interior (W1 clamps) or stamped interior (W4), both with rolled edges 7mm A/F slotted hex head all sizes</p>
<p>Materials: Complies with US/SAE Standard J15087HD Full 304 Stainless Steel construction 240 hour corrosion resistance in salt spray test</p>	<p>Materials: Complies with US/SAE Standard J1508 304 Stainless Steel band and housing with 305 Stainless Steel screw. 240 hour corrosion resistance in salt spray test</p>	<p>Materials: All solid band clamps conform to DIN 3017 Type W1: Fully zinc plated mild steel (CrVI free) 144 hour corrosion resistance in salt spray test Type W4: AISI Grade 304 (DIN 1-4301) Stainless Steel band, housing and screw 240 hour corrosion resistance in salt spray test</p>

IHCSS SLOTTED BAND WORM DRIVE HOSE CLAMPS

Product Codes		Band Dimensions mm		Slotted Hex Screw	Clamping Ø Range		Housing Dimensions mm			† Rec. Tightening Torque Nm
W4 Standard	W4 High Torque	Width W1	Thick		mm	ins	Width W2	Height H	Length L	
IHCSS6-16		7.92		6.4mm	6-16	1/4-5/8	10.2	8.4	16.3	1.36
IHCSS8-22		7.92		6.4mm	8-22	5/16-7/8	10.2	8.4	16.3	1.36
IHCSS11-18		7.92		6.4mm	11-18	1/2-3/4	10.2	8.4	16.3	1.36
IHCSS11-25		12.7		8mm	11-25	1/2-1	15.2	11.4	27.9	3.4
IHCSS14-27		12.7		8mm	14-27	9/16-1	15.2	11.4	27.9	3.4
IHCSS18-32		12.7		8mm	18-32	3/4-1.1/4	15.2	11.4	27.9	3.4
IHCSS21-38		12.7		8mm	21-38	7/8-1.1/2	15.2	11.4	27.9	3.4
IHCSS21-44		12.7		8mm	21-44	7/8-1.3/4	15.2	11.4	27.9	3.4
	IHCHS25-45	16	0.7	8mm	25-45	1-1.3/4	23	13	37	17
IHCSS27-51		12.7		8mm	27-51	1-2	15.2	11.4	27.9	3.4
	IHCHS32-54	16	0.7	8mm	32-54	1.1/4-2.1/8	23	13	37	17
IHCSS33-57		12.7		8mm	33-57	1.1/4-2.1/4	15.2	11.4	27.9	3.4
IHCSS40-63		12.7		8mm	40-63	1.1/2-2.1/2	15.2	11.4	27.9	3.4
	IHCHS45-67	16	0.7	8mm	45-67	1.3/4-2.5/8	23	13	37	17
IHCSS46-70		12.7		8mm	46-70	1.3/4-2.3/4	15.2	11.4	27.9	3.4
IHCSS52-76		12.7		8mm	52-76	2-3	15.2	11.4	27.9	3.4
	IHCHS57-79	16	0.7	8mm	57-79	2.1/4-3.1/8	23	13	37	17
IHCSS59-82		12.7		8mm	59-82	2.1/4-3.1/4	15.2	11.4	27.9	3.4
IHCSS65-89		12.7		8mm	65-89	2.1/2-3.1/2	15.2	11.4	27.9	3.4
IHCSS67-114		12.7		8mm	67-114	2.5/8-4.1/2	15.2	11.4	27.9	3.4
	IHCHS70-92	16	0.7	8mm	70-92	2.3/4-3.5/8	23	13	37	17
IHCSS72-95		12.7		8mm	72-95	2.3/4-3.3/4	15.2	11.4	27.9	3.4
IHCSS78-101		12.7		8mm	78-101	3-4	15.2	11.4	27.9	3.4
IHCSS84-108		12.7		8mm	84-108	3.5/16-4.5/16	15.2	11.4	27.9	3.4
IHCSS105-127		12.7		8mm	105-127	4.1/4-5	15.2	11.4	27.9	3.4
IHCSS143-165		12.7		8mm	143-165	4.3/4-6.1/2	15.2	11.4	27.9	3.4
IHCSS155-178		12.7		8mm	155-178	6.1/4-7	15.2	11.4	27.9	3.4



IHCWM & IHCWS SOLID BAND TORRO® WORM DRIVE HOSE CLAMPS

Product Code		Band Dimensions mm			Size Range	Trade Reference	Housing Dimensions mm			† Type W1 Torque Values Nm				† Type W4 Torque Values Nm				Pack Qty
Solid Band		Width	Thickness				mm	Width	Height	Length	Rec. Tightening	No-load (Max)	Test	Fracture (Min)	Rec. Tightening	No-load	Test	
W1 (Alu-Zinc)	W4 (St. Steel)	All	W1	W4														
Phillips Head	Slotted Head																	
IHCWM08-12	-	9	0.8	-	8-12	000	13	11	21	2.5+5	1.2	3.3	4					10
-	IHCWS08-16	9	-	0.7	8-16	-	13	11	21	-	-	-	-	2+5	0.7	2.6	4	10
IHCWM10-16	-	9	0.8	-	10-16	M00	13	11	21	3+5	1.2	4	4.5					10
-	IHCWS12-20	9	-	0.7	12-20	-	13	11	21	-	-	-	-	3+5	0.7	4	4.5	10
IHCWM12-22	IHCWS12-22	9	0.8	0.7	12-22	00	13	11	24	3+5	1.2	4	5.5	3+5	0.7	4	4.5	10
IHCWM16-27	IHCWS16-27	12	0.8	0.7	16-27	0	13	11	24	5+5	1.2	6.5	10	5+5	1	6.5	8	10
IHCWM20-32	IHCWS20-32	12	0.8	0.7	20-32	1A	13	11	24	5+5	1.2	6.5	10	5+5	1	6.5	8	10
IHCWM25-40	IHCWS25-40	12	1	0.8	25-40	1	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	10
IHCWM30-45	IHCWS30-45	12	1	0.8	30-45	1X	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	10
IHCWM35-50	IHCWS35-50	12	1	0.8	35-50	2A	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	10
IHCWM40-60	IHCWS40-60	12	1	0.8	40-60	2/2X	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	10
IHCWM50-70	IHCWS50-70	12	1	0.8	50-70	3	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	10
IHCWM60-80	IHCWS60-80	12	1	0.8	60-80	-	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	10
IHCWM70-90	IHCWS70-90	12	1	0.8	70-90	4	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	10
IHCWM80-100	IHCWS80-100	12	1	0.8	80-100	-	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	10
IHCWM90-110	IHCWS90-110	12	1	0.8	90-110	5	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	10
IHCWM100-120	IHCWS100-120	12	1	0.8	100-120	-	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	5
IHCWM110-130	IHCWS110-130	12	1	0.8	110-130	6	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	5
IHCWM120-140	IHCWS120-140	12	1	0.8	120-140	-	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	5
-	IHCWS130-150	12	-	0.8	130-150	-	13	11	26	-	-	-	-	5+5	1	6.5	8.5	5
IHCWM140-160	IHCWS140-160	12	1	0.8	140-160	7	13	11	26	5+5	1.2	6.5	10	5+5	1	6.5	8.5	5
-	IHCWS150-170	12	-	0.8	150-170	-	13	11	30	-	-	-	-	5+5	1	6.5	8.5	5
IHCWM160-180	IHCWS160-180	12	1	0.8	160-180	8	13	11	30	5+5	1.2	6.5	10	5+5	1	6.5	8.5	5
IHCWM180-200	-	12	1	-	180-200	9	14.6	12.5	30	5+5	1.2	6.5	10	-	-	-	-	5
IHCWM190-210	-	12	1	-	190-210	-	14.6	12.5	30	5+5	1.2	6.5	10	-	-	-	-	5
IHCWM210-230	-	12	1	-	210-230	10	14.6	12.5	30	5+5	1.2	6.5	10	-	-	-	-	5
IHCWM230-250	-	12	1	-	230-250	11	14.6	12.5	30	5+5	1.2	6.5	10	-	-	-	-	5
IHCWM260-280	-	12	1	-	260-280	12	14.6	12.5	30	5+5	1.2	6.5	10	-	-	-	-	5
IHCWM280-300	-	12	1	-	280-300	13	14.6	12.5	30	5+5	1.2	6.5	10	-	-	-	-	5

† The significance of the tabulated Torque Values is discussed on page M8 "Terminology"



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MERCHANDISER		
TORRO S ALU-ZINC CLAMPS (Type W1)		
Product Codes	Sizes mm	Quantity
IHCWM08-12	8-12	10
IHCWM10-16	10-16	10
IHCWM12-22	12-22	10
IHCWM16-27	16-27	10
IHCWM20-32	20-32	10
IHCWM25-40	25-40	10
IHCWM35-50	35-50	10
IHCWM40-60	40-60	10
IHCWM50-70	50-70	10
IHCWM60-80	60-80	10

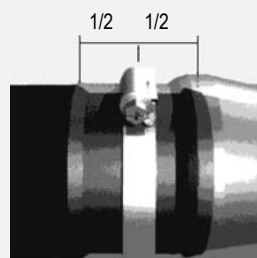
MERCHANDISER		
TORRO STAINLESS STEEL CLAMPS (Type W4)		
Product Codes	Sizes mm	Quantity
IHCWS08-16	8-16	10
IHCWS12-20	12-20	10
IHCWS16-27	16-27	10
IHCWS20-32	20-32	10
IHCWS25-40	25-40	10
IHCWS30-45	30-45	10
IHCWS35-50	35-50	10
IHCWS40-60	40-60	10
IHCWS50-70	50-70	10
IHCWS60-80	60-80	10



300 mm long x 7mm
Flexi Hex Driver
Suits all Torro Clamps
Product Code:
IHC-DRIVER

Selection of the appropriate clamp

- Consider the clamping diameter ie make sure the clamp fits on the hose
- Select the correct band width to match existing system parameters
- Choose an appropriate material in terms of required corrosion resistance
- Allow for possible thermal loads
- Allow for possible mechanical loads
- Take system pressure into account, but in the context of the overall hose, clamp and spigot combination

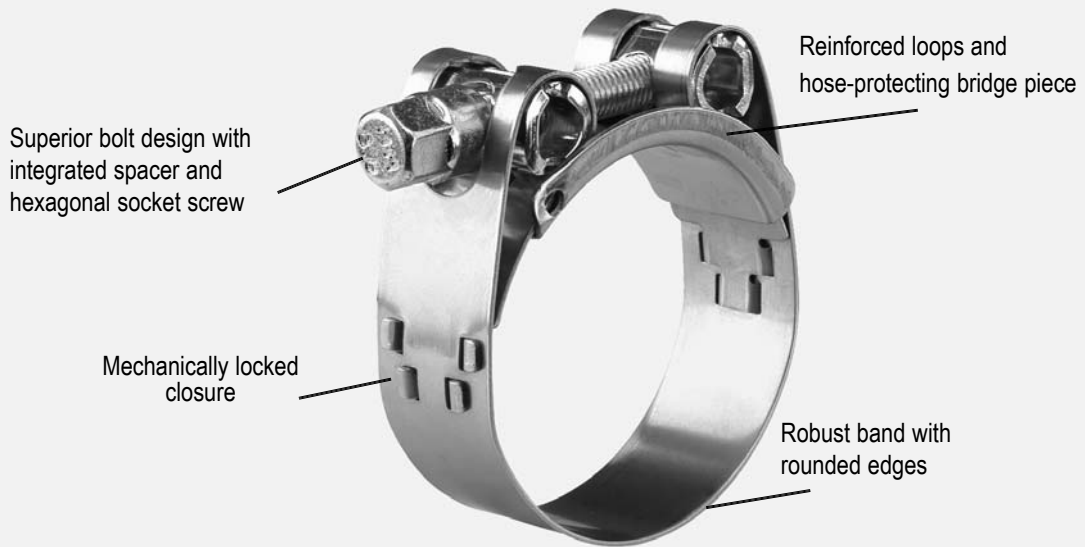


Professional hose clamp installation

- Fit the clamp in the middle of the joint
- Fit the clamp perpendicular to the joint
- Tighten the clamp as slowly as possible
- The recommended screwdriver speed is based on test results and should be observed. Note that exceeding the recommended tightening torque will not result in a proportionately higher pull-off force and / or clamping force
- Exceeding the test torque may cause permanent damage to the clamp and to the system (eg failure of the clamp after re-assembly)
- Retightening the connection once, 1-5 minutes after the first assembly, may be useful (depending on a possible relaxation of the hose material)
- Suitable assembly aids include water or a water / alcohol mixture. Soap solutions, grease and similar lubricants are NOT recommended
- The assembly tool should be applied to the clamp in a perpendicular manner
- A hexagon screwdriver, flat wrench or special assembly tool provides the safest tightening method (See IHC-DRIVER above)

IHCT

HEAVY DUTY CLAMPS



Construction:

- Special bolt design has the spacer integrated - no more lost bolts
- Reinforced loops allow significantly higher tightening torques
- Mechanically locked closure eliminates welds and their associated contact corrosion
- Optimal hose protection through the floating bridge piece
- Robust band with rounded edges prevents injury to hose and personnel
- Flexible band exerts even pressure on the hose surface

Materials:

All Pirtek / Norma heavy duty clamps conform to DIN 3017

Type W2: (Product Code IHCTG)

- 1.4016 (AISI Grade 430) Stainless Steel band
- Zinc plated steel clamping head (CrVI free)
- 72 hour corrosion resistance in salt spray test

Type W4: (Product Code IHCTS)

- AISI Grade 304 (DIN 1-4301) Stainless Steel band and clamping head
- 240 hour corrosion resistance in salt spray test

Applications:

- Pirtek heavy duty clamps are particularly designed for sealing suction and pressure hoses that incorporate plastic or steel reinforcements and high Shore hardness values
- Bands can withstand extremely high tensile forces
- Suited to assembly using manual, pneumatic or electric tools
- Especially suited for use on commercial, automotive and industrial mobile equipment

MERCHANDISER HEAVY DUTY CLAMPS TYPE W2		
Product Code	Size Range mm	Quantity
IHCTG17-19	17-19	4
IHCTG21-23	21-23	4
IHCTG27-29	27-29	4
IHCTG29-31	29-31	4
IHCTG31-34	31-34	4
IHCTG34-37	34-37	4
IHCTG37-40	37-40	4
IHCTG40-43	40-43	4
IHCTG43-47	43-47	4
IHCTG47-51	47-51	4
IHCTG51-55	51-55	4
IHCTG55-59	55-59	4
IHCTG59-63	59-63	4
IHCTG63-68	63-68	4
IHCTG68-73	68-73	4
IHCTG73-79	73-79	3
IHCTG79-85	79-85	3
IHCTG85-91	85-91	3
IHCTG104-112	104-112	3
IHCTG112-121	112-121	3



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Rev. 1

IHCT HEAVY DUTY HOSE CLAMPS					
Steel Clamping Head W2	Fully Stainless W4	Dimensions mm		Torque Nm	
		Size Range	Band Width	Rec. Tightening	Fracture
IHCTG17-19	IHCTS17-19	17-19	18	8	15
IHCTG19-21	IHCTS19-21	19-21	18	8	15
IHCTG21-23	IHCTS21-23	21-23	18	8	15
IHCTG23-25	IHCTS23-25	23-25	18	8	15
IHCTG25-27	IHCTS25-27	25-27	18	8	15
IHCTG27-29	IHCTS27-29	27-29	18	8	15
IHCTG29-31	IHCTS29-31	29-31	18	8	15
IHCTG31-34	IHCTS31-34	31-34	18	8	15
IHCTG34-37	IHCTS34-37	34-37	18	8	15
IHCTG37-40	IHCTS37-40	37-40	18	8	15
IHCTG40-43	IHCTS40-43	40-43	18	8	15
IHCTG43-47	IHCTS43-47	43-47	20	10	20
IHCTG47-51	IHCTS47-51	47-51	20	10	20
IHCTG51-55	IHCTS51-55	51-55	20	10	20
IHCTG55-59	IHCTS55-59	55-59	20	10	20
IHCTG59-63	IHCTS59-63	59-63	20	10	20
IHCTG63-68	IHCTS63-68	63-68	20	10	20
IHCTG68-73	IHCTS68-73	68-73	25	20	30
IHCTG73-79	IHCTS73-79	73-79	25	20	30
IHCTG79-85	IHCTS79-85	79-85	25	20	30
IHCTG85-91	IHCTS85-91	85-91	25	20	30
IHCTG91-97	IHCTS91-97	91-97	25	20	30
IHCTG97-104	IHCTS97-104	97-104	25	20	30
IHCTG104-112	IHCTS104-112	104-112	25	20	30
IHCTG112-121	IHCTS112-121	112-121	25	20	30
IHCTG121-130	IHCTS121-130	121-130	25	20	30
IHCTG130-140	IHCTS130-140	130-140	30	25	45
IHCTG140-150	IHCTS140-150	140-150	30	25	45
IHCTG150-162	IHCTS150-162	150-162	30	25	45
IHCTG162-174	IHCTS162-174	162-174	30	25	45
IHCTG174-187	IHCTS174-187	174-187	30	25	45
IHCTG187-200	IHCTS187-200	187-200	30	25	45
IHCTG200-213	IHCTS200-213	200-213	30	25	45
IHCTG213-226	IHCTS213-226	213-226	30	25	45
IHCTG226-239	IHCTS226-239	226-239	30	25	45
IHCTG239-252	IHCTS239-252	239-252	30	25	45
	IHCTS250-265	250-265	30	25	45
	IHCTS265-278	265-278	30	25	45
	IHCTS278-291	278-291	30	25	45
	IHCTS291-304	291-304	30	25	45

TERMINOLOGY USED

The *tightening torque* describes the recommended torque that is applied in order to tighten a hose clamp. It is largely defined in the DIN 3017 Standard and is measured by means of a torque wrench. However, better clamp designs incorporate design features that best convert the tightening torque into *band tension*, and so increase the tightness of a joint. Measurement of band tension (which is not covered in the Standard) provides the best objective measurement of clamping performance.

Pirtek clamping systems are manufactured in Germany by Norma®, who routinely conduct band tension measurements as part of their design and manufacturing processes.

Fracture torque indicates what tightening torque will result in destruction of a clamp, and provides a guide to the overall robustness of a clamp. Field servicing of mobile equipment in the absence of torque wrenches often results in manually applied tightening torques that exceed recommended tightening torques.

Quoted *test torques* are generally 30% above recommended tightening torques, and represent the maximum value at which no permanent damage to a clamp will occur through over-tightening.

No-load torque defines the torque needed to turn the screw without generating any clamping force. Low no-load torques with negligible deviations typify clamps that will perform well during assembly.

IHCEC

OETIKER® 2-EAR CLAMPS



Construction:

- Spiral welded tube cut into rings
- Post production annealing process removes residual stress
- De-burred edges reduce hose damage

Materials:

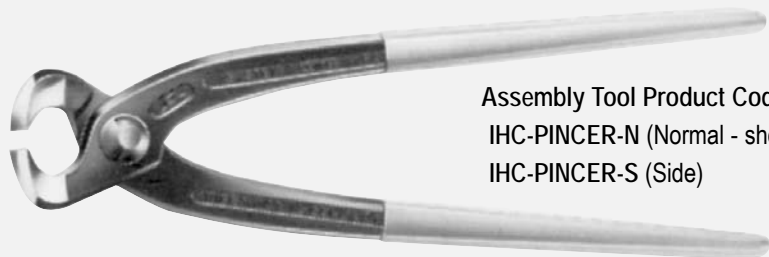
Product Code IHCEC)

- Zinc plated steel conforming to DIN 1.0338 / SAE 1008/1010
- 96 hour corrosion resistance in salt spray test (DIN 50021 / ASTM B117

Applications:

- Fast, simple and secure installation
- Visual indication of proper closure
- Ideal for air and liquid lines at low to medium pressures
- 2-ear design provides good coupling range to suit thick walled hoses
- Can absorb thermal expansion and vibration

Product Code	Size Range mm
IHCEC3.4-5	3.1-4.1
IHCEC5-7	5-7
IHCEC7-9	7-9
IHCEC9-11	9-11
IHCEC11-13	10.8-13
IHCEC13-15	12.5-15
IHCEC15-17	14-17
IHCEC15-18	15-18
IHCEC16-19	16-19
IHCEC17-20	16.2-20
IHCEC19-22	18-22
IHCEC20-23	19-23
IHCEC22-25	21-25
IHCEC23-27	22.5-27
IHCEC25-28	24-28
IHCEC28-31	28-31
IHCEC31-34	29.3-34
IHCEC34-37	32-37
IHCEC37-40	35-40
IHCEC40-43	37.6-43
IHCEC43-46	40.6-46



Assembly Tool Product Codes:
IHC-PINCER-N (Normal - shown)
IHC-PINCER-S (Side)

ASSEMBLY INSTRUCTIONS

1. Apply the pincers to one ear (either as pictured above, or from the side using a side pincer tool), and close the tool with sufficient force to draw the lower radii to a 3/4 closed position.
2. Repeat the procedure on the second ear, this time closing until obvious hose compression is evident.
3. Pinch the first ear a second time until both clamp ears appear to be sharing the compression load equally as evidenced by symmetrical 'Ω' shaped formations.

IHCC

'COBRA' ONE PIECE HOSE CLIPS



Construction:

- Self adjusting diameter provides compensation for hose diameter tolerances
- Special beading provides guidance for the band
- Colour coded bands allow easy size recognition
- A single lock-in point allows positive visual check of correct assembly
- Rounded edges to the band prevent hose damage
- Protruding tool gripping points allow simple and fast assembly using the specially designed tool

Materials:

Type W4: (Product Code IHCC)

- Full AISI Grade 301 (DIN 1-4310) Stainless Steel construction
- CrVI free
- 240 hour corrosion resistance in salt spray test

Applications:

- Low profile Cobra clips allow trouble-free exact fitting in very narrow assembly conditions
- Developed for the automotive industry
- Reopening is possible
- Ideal for small hoses
- Low pressure air
- Suction lines
- Fuel ventilation lines
- Washing machine hoses
- Trickle irrigation systems
- Pneumatic lines



Assembly Pliers

Product Code IHCC-TOOL

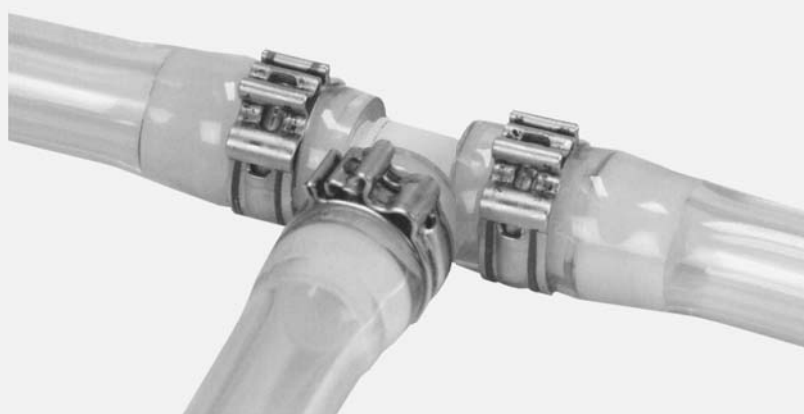
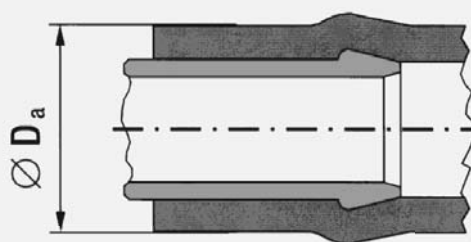
MERCHANDISER KIT IHCC COBRA CLIPS	
Product Code	Qty
IHCC8-9	20
IHCC8.5-9.5	20
IHCC9.5-10.5	20
IHCC10.5-11.5	20
IHCC11.5-12.5	20
IHCC12.5-14	20
IHCC14.5-16	20
IHCC16.5-18	20
IHCC18.5-20	20
IHCC20.5-22	20
IHCC22.5-24	20
IHCC24.5-26	20
IHCC-TOOL	1



Product Code	Nominal dia mm	Size Range Da mm	Band Width mm	Band Colour	Merchandise Inclusion	Pack Quantity
IHCC8-9	7.5	8-9	7	white	•	100
IHCC8.5-9.5	8	8.5-9.5		yellow	•	100
IHCC9-10	8.5	9-10		green		100
IHCC9.5-10.5	9	9.5-10.5		violet	•	100
IHCC10-11	9.5	10-11		black		100
IHCC10.5-11.5	10	10.5-11.5		white	•	100
IHCC11-12	10.5	11-12		yellow		100
IHCC11.5-12.5	11	11.5-12.5		green	•	100
IHCC12-13	11.5	12-13		violet		100
IHCC12.5-14	12	12.5-14		black	•	100
IHCC13.5-15	13	13.5-15		yellow		100
IHCC14.5-16	14	14.5-16		violet	•	100
IHCC15.5-17	15	15.5-17		white		100
IHCC16.5-18	16	16.5-18		green	•	100
IHCC17.5-19	17	17.5-19	black		100	
IHCC18.5-20	18	18.5-20	yellow	•	100	
IHCC19.5-21	19	19.5-21	violet		100	
IHCC20.5-22	20	20.5-22	white	•	100	
IHCC21.5-23	21	21.5-23	green		100	
IHCC22.5-24	22	22.5-24	black	•	100	
IHCC23.5-25	23	23.5-25	yellow		100	
IHCC24.5-26	24	24.5-26	violet	•	100	
IHCC25.5-27	25	25.5-27	white		100	
IHCC26.5-28	26	26.5-28	green		100	
IHCC27.5-29	27	27.5-29	black		100	
IHCC28.5-30	28	28.5-30	yellow		100	
IHCC29.5-31	29	29.5-31	violet		100	
IHCC30.5-32	30	30.5-32	white		100	
IHCC34-36	34	34-36	9	violet		100
IHCC36-38	36	36-38	9	green		100

CHOOSING THE CORRECT SIZE

1. Slide the hose onto the spigot and measure the outside diameter Da
2. Consult the table above to find the applicable size range, and read off the corresponding Product Code



IHCBS

CONTINUOUS BANDING SYSTEM



Construction:

- Stainless steel band with rounded edges
- Available in 30 metre coils
- Matching buckles (boxes of 100)
- Supplied boxed or in a waterproof plastic dispenser

Materials:

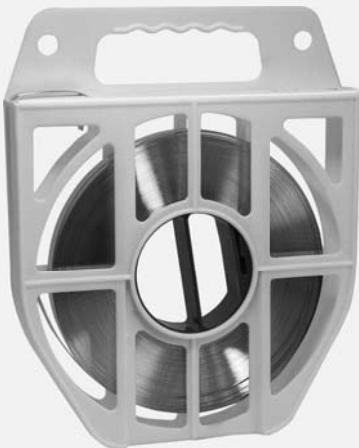
Product Code IHCBS

- Stainless Steel - CrNi
- 240 hour corrosion resistance in salt spray test

Applications:

- Versatile fastening system
- Total flexibility of band length
- Band can be double wrapped for more strength
- Hose clamping
- Fixing signs to poles
- Pipe mounting etc

30 metre Band	30 metre Band in Dispenser	Band Dimensions mm		Boxed Buckles (100)
		Width	Thickness	
IHCBS9.5	IHCBSC9.5	9.5	0.64	IHCBB9.5
IHCBS12.7	IHCBSC12.7	12.7	0.75	IHCBB12.7
IHCBS16	-	16	0.75	IHCBB16
IHCBS19	-	19	0.75	IHCBB19



Dispenser Pack IHCBSC



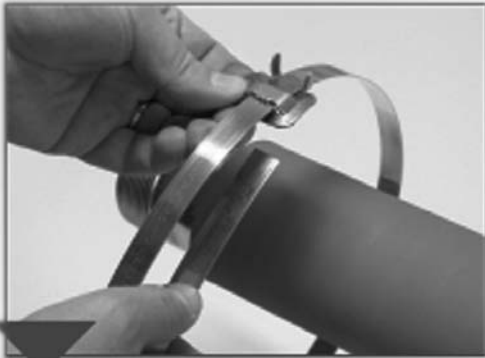
Buckle IHCBB



Assembly Tool Product Code:
IHCB-TOOL

IHCBS

INSTALLATION PROCEDURE CONTINUOUS BAND



Slide the buckle onto the band with the ears pointing towards the end of the band. Form the loop of the clamp, holding band on band as illustrated, then slide the band end again through the buckle slot, bending the end approximately 25 mm under the buckle to hook it on the buckle.

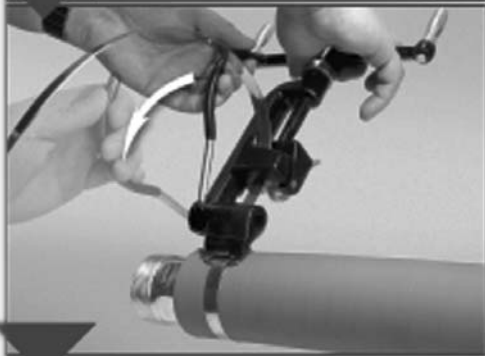


For heavy duty jobs, double wrap the band

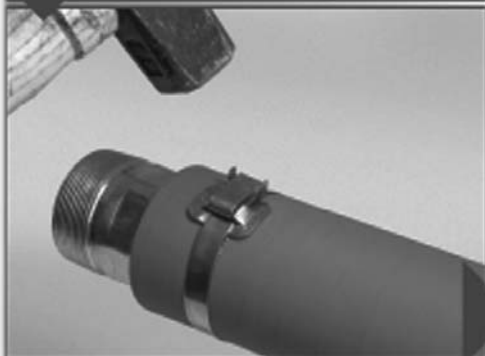


Place the band in the tool (IHCB-TOOL), push down on the gripper with the thumb, and tension the band strap by turning the handle. Maximum tension is achieved when the band stops moving through the buckle.

At this point, roll the tool over the buckle. It will be necessary to reverse the tensioning handle approximately 1/2 turn as you roll the tool over to avoid band breakage. Judicious release of the handle will prevent loss of band tension during the roll over process.



Pull on the cutting lever to cut the band off at the correct length



Carefully hold the severed stub with the thumb and hammer the band flat over the bridge of the buckle. Complete the clamp by hammering the ears over the band



IHCPF

PREFORMED CLAMPS

**Construction:**

- Stainless steel band with rounded edges
- Integrated buckle requires no hammering or crimping
- Available in boxed quantities as tabulated

Materials:**Product Code IHCBS**

- Stainless Steel - CrNi
- 240 hour corrosion resistance in salt spray test

Applications:

- Quickly and easily applied
- Hose clamping
- Ideal for repetition assembly in workshops

Product Code	Max. Internal Diameter mm	Band Width	Band Thickness	Box Qty
IHCPF21-9.5	21	9.5	0.64	100
IHCPF35-9.5	35	9.5	0.64	100
IHCPF25-12.7	25	12.7	0.75	100
IHCPF32-12.7	32	12.7	0.75	100
IHCPF38-16	38	16	0.75	100
IHCPF45-16	45	16	0.75	100
IHCPF51-16	51	16	0.75	100
IHCPF57-16	57	16	0.75	100
IHCPF64-16	64	16	0.75	100
IHCPF70-19	70	19	0.75	50
IHCPF76-19	76	19	0.75	50
IHCPF89-19	89	19	0.75	50
IHCPF102-19	102	19	0.75	25
IHCPF114-19	114	19	0.75	25
IHCPF127-19	127	19	0.75	25
IHCPF152-19	152	19	0.75	25

Tool Adaptor Product Code:
IHCPF-ADP



Assembly Tool Product Code:
IHCB-TOOL



IHCPF

INSTALLATION PROCEDURE PREFORMED CLAMPS

Place the Continuous Band Tool IHCB-TOOL in a vice and attach the Preform Adaptor IHCBF-ADP to the nose of the tool. Slip a Preformed Clamp into the tool and grip the tail end of the clamp with the eccentric lever of the main tool.

Insert the hose into the clamp and apply tension by turning the handle of the main tool. Hold the thumb on the side of the buckle where the band enters the jaws of the tool to assist in controlling the tension.

Maximum tension has been achieved when the band stops moving through the buckle.

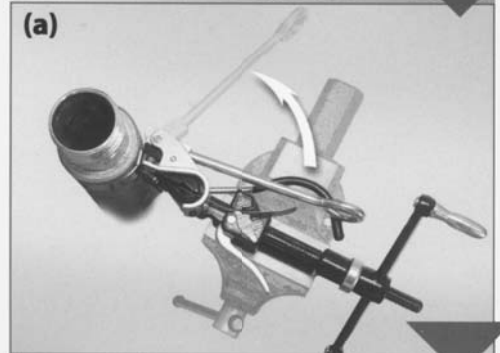
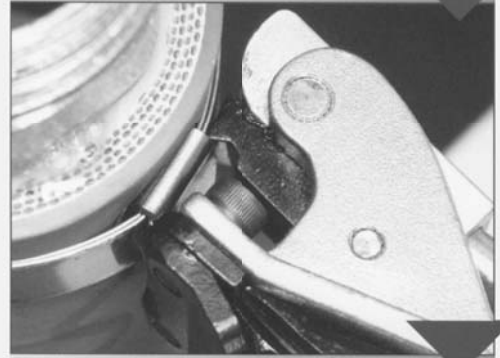
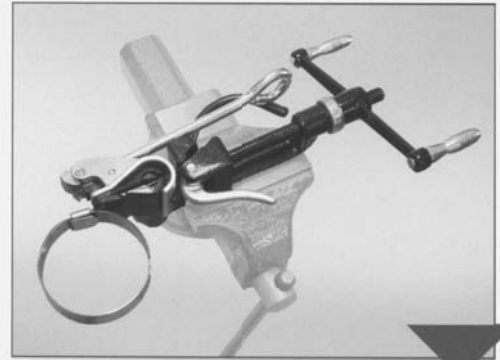
At this point, roll the hose over until the shear hook engages behind the buckle edge. It will be necessary to reverse the tensioning handle approximately 1/4 to 1/2 turn (depending on hose diameter) as you roll the hose over to avoid band breakage. Judicious release of the handle will prevent loss of band tension during the roll over process.

(a) Pull on the cutter lever to cut the band

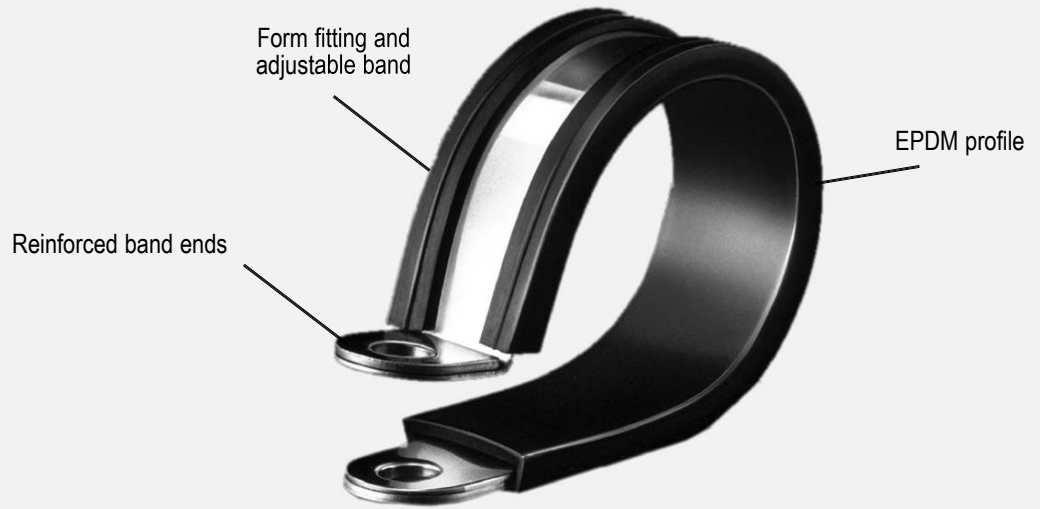
(b) Turn the disc by hand until tight. Use a ratchet spanner on the hex nut and operate it until the band shears



The completed Preformed Band assembly requires no hammering or crimping



IHCR RUBBER CLAMPS



Construction:

- Form fitting and adjustable mild steel band
- Reinforced band ends to resist tearing under high loads
- EPDM profiled rubber sleeve clip fitted tightly to the band
- 6 mm mounting holes to suit M6 bolts (not supplied)

Materials:

Product Code IHCR

- Zinc plated mild steel band
- CrVI free
- 144 hour corrosion resistance in salt spray test
- EPDM profiled rubber

Applications:

- Ideal retaining elements for pipes, cables, hoses and other applications
- Vibration damping
- Sound insulation

Product Code	Dimensions mm		
	Clamp Ø	Band Width	Bolt Hole Ø
IHCR-04	4	15	M6
IHCR-06	6	15	M6
IHCR-09	9	15	M6
IHCR-10	10	15	M6
IHCR-12	12	15	M6
IHCR-13	13	15	M6
IHCR-15	15	15	M6
IHCR-16	16	15	M6
IHCR-18	18	15	M6
IHCR-19	19	15	M6
IHCR-20	20	15	M6
IHCR-22	22	15	M6
IHCR-25	25	15	M6
IHCR-27	27	15	M6
IHCR-29	29	15	M6
IHCR-32	32	15	M6
IHCR-35	35	15	M6
IHCR-38	38	15	M6
IHCR-40	40	15	M6
IHCR-45	45	15	M6
IHCR-48	48	15	M6
IHCR-50	50	15	M6
IHCR-55	55	15	M6
IHCR-60	60	15	M6
IHCR-64	64	15	M6
IHCR-76	76	15	M6





This page is part of a complete catalogue containing technical and safety data.
All data must be reviewed when selecting a product.
Pirtek reserve the right to change technical specifications without notice.

Rev. 1

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