













# 11





## EAR CLAMPS & 'O' CLIPS






<b>CETIKER</b> <small>Reliable Connections</small>				
<b>New Additions</b> 	<b>New Additions</b> 			<b>New</b> 
<b>694</b> Stepless® Ear Clamps – 167 Series	<b>695</b> 1 & 2 Ear Clips – 101, 151, 153 & 154 Series	<b>696</b> Repair Kits	<b>696</b> Clamp Kits & Bags	<b>697</b> Universal Clamps 159 Series

<b>CETIKER</b> <small>Reliable Connections</small>		<b>MIKALOR</b>		
<b>New Additions</b> 			<b>New</b> 	
<b>698</b> Hand Installation Pincers & Hand Clamp Cutters	<b>699</b> O Clips for Low Pressure	<b>700</b> Pincers for Low Pressure O Clips	<b>700</b> O Clip Assortment Boxes	

## WORM DRIVE HOSE CLAMPS

<b>MIKALOR</b>		<b>CETIKER</b> <small>Reliable Connections</small>	
	<b>New Additions</b> 		
<b>700</b> Spring Clips, Wire Clips & Accessories	<b>701</b> Mini Clamps 180 Series	<b>701</b> Twin Clamps 180 Series	

<b>CETIKER</b> <small>Reliable Connections</small>		
<b>New</b> 	<b>New Additions</b> 	
<b>702</b> Worm Drive Clamps 180 Series	<b>702</b> Universal Banding & Locks	<b>703</b> Multiband

		<b>MIKALOR</b>		
		<b>New</b> 		
<b>703</b> Quick Release Straps	<b>704</b> Mild Steel Worm Drive Clips	<b>704</b> Worm Drive Clip Assortment Boxes	<b>705</b> Stainless Steel Worm Drive Clips & Flexidriver	

## CLIPS & CLAMPS

A clamp is a device to strengthen, hold things together, or fasten them. On the other hand, a clip is a device that attaches one object to another or grips tightly.

## MIKALOR

New



**706**  
High Torque  
Clips

New



**706**  
Right Hand  
Bridge Clamps



New  
Additions



**707**  
Worm Drive  
Hose Clips

New  
Additions



**708**  
High Torque  
Clips



**708**  
Wingspade  
Clips



**709**  
Hi-Grip  
Worm Drive  
Hose Clips



**709**  
Hi-Torque Hose  
Clips



**709**  
Hi-Grip  
Wing Screw  
Hose Clips



**709**  
Screwdrivers

## SUPERCLAMPS

### MIKALOR



**710**  
Mild Steel Hose  
Clips & Clamps



**710**  
Repair Kits



**711**  
Stainless Steel  
Hose Clamps

## BANDS & CLAMPS



**712**  
Superclamps



**712**  
Drivers



**713**  
Junior Clamps

### unex®



**714**  
Hose Clips



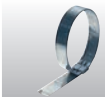
**714**  
Flexiband &  
Accessories

### BAND-IT®



**715**  
Bands, Buckles  
& Tools

### BAND-IT®



**716**  
Junior® Smooth  
ID Clamps &  
Tools

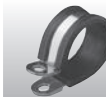
### MIKALOR



**717**  
P Clips



**718**  
Breeze  
Hi-Torque  
Clamps



**718**  
Pipe Retaining  
Clips



**718**  
Cobra Clips &  
Accessories



**718**  
Acetal Clips

### PARKAIR®



**719**  
Brass Rings,  
Brackets  
& Accessories



**719**  
Clamps

### LUDECKE



**720**  
Clamps

### SURE/FIX



**720**  
Pipe Clips

### PARKAIR®



**722**  
Toggle Clamps

**STEPLESS® EAR CLAMPS 167**
**ASSEMBLY RECOMMENDATIONS**

The clamp 'ear' is deformed with a constant tool jaw force – this practice is referred to as 'force priority closure'. This assembly method ensures that a uniform & repeatable stress is applied to the joint in addition to a consistent tensile force on the clamp interlock. Employing this methodology, when closing a 167 series clamp, will compensate for any component tolerance variations, & ensure that the clamp applies a constant radial force to the application. Fluctuations in component tolerances are absorbed by variations in the 'ear' gap(s).

Equivalent to 1 & 2 ear clamps

**FEATURES**

- Corrosion resistance according to DIN EN ISO 9227
- Narrow band: concentrates transmission of clamping force, less weight
- Stepless over 360°: uniform compression or uniform surface pressure
- Clamp ear: compensates for component tolerances, adjustable surface pressure
- Dimple: increases clamping force, spring-effect compensates for changes in diameter due to thermal expansion

**MATERIALS**

Stainless steel 1.4301/UNS S30400

New Additions

**STEPLESS® EAR CLAMPS 167 SERIES**

5 MM BAND WIDTH, 0.5 MM THICKNESS



4145

New Additions

**STEPLESS® EAR CLAMPS 167 SERIES**

7 MM BAND WIDTH, 0.6 MM THICKNESS



4145

PART NUMBER	CLAMPING RANGE	EAR WIDTH INSIDE
OET16702488	5.3 – 6.5 mm	4.0 mm
OET16700001	5.8 – 7.0 mm	4.0 mm
OET16706953	6.3 – 8.0 mm	4.0 mm
OET16700002	6.8 – 8.0 mm	4.0 mm
OET16700003	7.0 – 8.7 mm	5.5 mm
OET16702491	7.3 – 9.0 mm	5.5 mm
OET16700004	7.8 – 9.5 mm	5.5 mm
OET16700005	8.3 – 10.0 mm	5.5 mm
OET16700006	8.8 – 10.5 mm	5.5 mm
OET16702492	9.2 – 10.9 mm	5.5 mm
OET16700007	9.6 – 11.3 mm	5.5 mm
OET16700008	10.1 – 11.8 mm	5.5 mm

PART NUMBER	CLAMPING RANGE	EAR WIDTH INSIDE
OET16702951	9.4 – 11.9 mm	8 mm
OET16700009	9.8 – 12.3 mm	8 mm
OET16702493	10.3 – 12.8 mm	8 mm
OET16700010	10.8 – 13.3 mm	8 mm
OET16700011	11.3 – 13.8 mm	8 mm
OET16700012	11.5 – 14.0 mm	8 mm
OET16702864	11.7 – 14.2 mm	8 mm
OET16700013	12.0 – 14.5 mm	8 mm
OET16700014	12.3 – 14.8 mm	8 mm
OET16700015	12.8 – 15.3 mm	8 mm
OET16700016	13.2 – 15.7 mm	8 mm
OET16702998	13.5 – 16.0 mm	8 mm
OET16702494	13.7 – 16.2 mm	8 mm
OET16702495	14.1 – 16.6 mm	8 mm
OET16702496	14.3 – 16.8 mm	8 mm
OET16700017	14.5 – 17.0 mm	8 mm
OET16702497	15.0 – 17.5 mm	8 mm
OET16700018	14.6 – 17.8 mm	10 mm
OET16700019	14.8 – 18.0 mm	10 mm
OET16700020	15.3 – 18.5 mm	10 mm
OET16700110	16.0 – 19.2 mm	10 mm
OET16702498	16.6 – 19.8 mm	10 mm
OET16700024	17.8 – 21.0 mm	10 mm
OET16700026	19.4 – 22.6 mm	10 mm
OET16700028	20.3 – 23.5 mm	10 mm
OET16700029	20.9 – 24.1 mm	10 mm
OET16700031	22.4 – 25.6 mm	10 mm
OET16700033	23.9 – 27.1 mm	10 mm
OET16701931	24.8 – 28.0 mm	10 mm
OET16700035	25.4 – 28.6 mm	10 mm
OET16702047	26.9 – 30.1 mm	10 mm
OET16700039	27.6 – 30.8 mm	10 mm
OET16700040	28.4 – 31.6 mm	10 mm
OET16700042	29.9 – 33.1 mm	10 mm
OET16700044	31.4 – 34.6 mm	10 mm
OET16700046	32.9 – 36.1 mm	10 mm
OET16700048	34.4 – 37.6 mm	10 mm
OET16700050	34.9 – 38.1 mm	10 mm
OET16702031	35.3 – 38.5 mm	10 mm
OET16700052	36.4 – 39.6 mm	10 mm
OET16700053	37.8 – 41.0 mm	10 mm
OET16700054	39.3 – 42.5 mm	10 mm
OET16700055	40.8 – 44.0 mm	10 mm
OET16700056	42.3 – 45.5 mm	10 mm
OET16700057	43.8 – 47.0 mm	10 mm
OET16700058	45.3 – 48.5 mm	10 mm
OET16700059	46.8 – 50.0 mm	10 mm
OET16700060	48.3 – 51.5 mm	10 mm
OET16700063	52.8 – 56.0 mm	10 mm



Do you also need?


**Assembly Solutions**

Electro pneumatic system, pneumatic pincer, cordless pincer



Please contact your distributor for further information

167 Series clamps available in larger sizes on request  
Please contact your distributor for further information

## 2 EAR CLAMPS 101

### 2 EAR CLIP FEATURES

- Low cost
- For low to medium pressure & metal to metal connections

#### MATERIALS

Zinc plated steel 1.0338/SAE 1008/1010



4145

## 2 EAR CLAMPS

PART NUMBER	CLAMPING RANGE	SIZE REF.
OET10100000	3.1 – 4.1 mm	0041
OET10100001	3.5 – 4.5 mm	0045
OET10100002	3.4 – 5.0 mm	0305
OET10100004	5.0 – 7.0 mm	0507
OET10100008	7.0 – 9.0 mm	0709
OET10100011	8.1 – 11.0 mm	0811
OET10100016	10.8 – 13.0 mm	1113
OET10100019	12.5 – 15.0 mm	1315
OET10100022	14.0 – 17.0 mm	1517
OET10100024	15.0 – 18.0 mm	1518
OET10100097	14.0 – 17.0 mm	1619
OET10100027	16.2 – 20.0 mm	1720
OET10100029	18.0 – 22.0 mm	1922
OET10100030	19.0 – 23.0 mm	2023
OET10100032	21.0 – 25.0 mm	2225
OET10100034	22.5 – 27.0 mm	2327
OET10100035	24.0 – 28.0 mm	2528
OET10100037	26.3 – 31.0 mm	2731
OET10100039	27.0 – 31.0 mm	2831
OET10100041	29.3 – 34.0 mm	3134
OET10100043	32.0 – 37.0 mm	3437
OET10100045	35.0 – 40.0 mm	3740
OET10100047	37.6 – 43.0 mm	4043
OET10100049	40.6 – 46.0 mm	4346

## 2 EAR CLAMPS 151 – STAINLESS STEEL

### 2 EAR CLAMP FEATURES

- Low cost
- For low to medium pressure & metal to metal connections

#### MATERIALS

Stainless steel 1.4307/UNS S30403



4145

## 2 EAR CLAMPS

PART NUMBER	CLAMPING RANGE	SIZE REF.
OET1510000SS	3.1 – 4.1 mm	0041R
OET1510001SS	3.5 – 4.5 mm	0045R
OET1510002SS	3.4 – 5.0 mm	0305R
OET1510003SS	5.0 – 7.0 mm	0507R
OET1510004SS	7.0 – 9.0 mm	0709R
OET15100023SS	8.0 – 11.0 mm	0811R
OET1510006SS	11.0 – 13.0 mm	1113R
OET1510007SS	12.5 – 15.0 mm	1315R
OET1510008SS	14.0 – 17.0 mm	1517R
OET1510009SS	15.0 – 18.0 mm	1518R
OET15100010SS	16.2 – 20.0 mm	1720R
OET15100011SS	18.1 – 22.0 mm	1922R
OET15100012SS	19.1 – 23.0 mm	2023R
OET15100013SS	21.1 – 25.0 mm	2225R
OET15100014SS	22.5 – 27.0 mm	2327R
OET15100015SS	24.0 – 28.0 mm	2528R
OET15100016SS	26.3 – 31.0 mm	2731R
OET15100018SS	29.3 – 34.0 mm	3134R
OET15100019SS	32.0 – 37.0 mm	3437R
OET15100020SS	35.0 – 40.0 mm	3740R
OET15100021SS	37.6 – 43.0 mm	4043R
OET15100022SS	40.6 – 46.0 mm	4346R

## 1 EAR CLAMPS WITH INSERT 154 – STAINLESS STEEL

### 1 EAR CLAMP FEATURES

- Fitted with stainless steel insert ring
- Insert ring completely protects the hose from damage

#### MATERIALS

Body: Stainless steel 1.4307/UNS S30403

Insert: Stainless steel 1.4310/UNS S30100



4145

## 1 EAR CLAMPS WITH INSERT

PART NUMBER	CLAMPING RANGE	SIZE REF.
OET15400010	2.5 – 2.9 mm	03.3RER
OET15400011	2.7 – 3.1 mm	03.5RER
OET15400012	2.9 – 3.7 mm	04.1RER
OET15400063	3.4 – 4.2 mm	04.6RER
OET15400013	3.7 – 4.7 mm	05.1RER
OET15400064	4.2 – 5.2 mm	05.6RER
OET15400014	4.7 – 5.7 mm	06.1RER
OET15400015	5.2 – 6.2 mm	06.6RER
OET15400016	5.6 – 6.5 mm	07.0RER
OET15400017	5.9 – 7.0 mm	07.5RER
OET15400018	6.3 – 7.5 mm	08.0RER
OET15400019	6.6 – 7.8 mm	08.3RER
OET15400020	7.0 – 8.2 mm	08.7RER
OET15400021	7.0 – 8.5 mm	09.0RER
OET15400022	7.5 – 9.0 mm	09.5RER
OET15400023	8.0 – 9.5 mm	10.0RER
OET15400024	8.5 – 10.0 mm	10.5RER
OET15400025	8.8 – 10.5 mm	11.0RER
OET15400026	9.1 – 10.8 mm	11.3RER
OET15400027	9.6 – 11.3 mm	11.8RER
OET15400028	9.5 – 11.5 mm	12.0RER
OET15400029	9.8 – 11.8 mm	12.3RER
OET15400030	10.3 – 12.3 mm	12.8RER
OET15400031	10.6 – 12.6 mm	13.3RER
OET15400032	11.1 – 13.1 mm	13.8RER
OET15400033	11.3 – 13.3 mm	14.0RER
OET15400034	11.8 – 13.8 mm	14.5RER
OET15400035	12.3 – 14.3 mm	15.0RER
OET15400036	12.8 – 14.8 mm	15.5RER
OET15400037	13.1 – 15.3 mm	16.0RER
OET15400038	13.2 – 15.8 mm	16.5RER
OET15400039	13.9 – 16.1 mm	16.8RER
OET15400040	14.6 – 16.8 mm	17.5RER
OET15400041	15.6 – 17.8 mm	18.5RER
OET15400042	16.5 – 18.8 mm	19.5RER
OET15400043	17.1 – 19.3 mm	20.0RER
OET15400044	17.1 – 20.0 mm	20.7RER
OET15400045	18.0 – 20.3 mm	21.0RER
OET15400046	18.8 – 21.1 mm	21.8RER
OET15400065	19.2 – 21.8 mm	22.5RER
OET15400048	20.2 – 22.8 mm	23.5RER
OET15400049	21.0 – 23.8 mm	24.5RER
OET15400050	22.0 – 24.8 mm	25.5RER
OET15400051	23.0 – 25.6 mm	26.3RER
OET15400052	23.3 – 26.3 mm	27.0RER
OET15400053	26.5 – 30.0 mm	30.7RER

## 1 EAR CLAMPS 153 – STAINLESS STEEL

### 1 EAR CLAMP FEATURES

- Low cost
- For demanding applications involving soft or hard rubbers & plastics

### MATERIALS

Stainless steel 1.4307/UNS S30403



4145

### 1 EAR CLAMPS

PART NUMBER	CLAMPING RANGE	SIZE REF.
OET15300000	2.9 – 3.3 mm	3.3R
OET15300001	3.0 – 3.5 mm	3.5R
OET15300002	3.3 – 4.1 mm	4.1R
OET15300004	3.7 – 4.6 mm	4.6R
OET15300003	4.1 – 5.1 mm	5.1R
OET15300005	4.6 – 5.6 mm	5.2R
OET15300004	5.1 – 6.1 mm	5.3R

## 90 PIECE OETIKER CLAMP KIT 'EXPERTAINER'



### 90 PIECE EXPERTAINER CONTENTS

#### StepLess® Ear Clamps 167

10 x OET16700006	8.8 – 10.5 mm
10 x OET16700009	9.8 – 12.3 mm
10 x OET16700011	11.3 – 13.8 mm
10 x OET16700013	12.0 – 14.5 mm
10 x OET16700016	13.2 – 15.7 mm
10 x OET16702498	16.6 – 19.8 mm
10 x OET16700024	17.8 – 21.0 mm
10 x OET16700026	19.4 – 22.6 mm

#### Ear Clamps 163

5 x OET16300022	23.6 – 30.0 mm
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#### Ear Clamps 126

5 x OET12600452	12.0 – 20.0 mm
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## REPAIR KITS

### OETIKER REPAIR KIT CONTENTS

30 x OET-0305	15 x OET-1315	4 x OET-2225
30 x OET-0507	10 x OET-1517	4 x OET-2327
20 x OET-0709	10 x OET-1518	4 x OET-2528
20 x OET-0811	8 x OET-1720	2 x OET-2831
20 x OET-0911	6 x OET-1922	2 x OET-3134
20 x OET-1113	6 x OET-2023	2 x OET-3437



4195

### OETIKER REPAIR KIT

PART NUMBER	DESCRIPTION
KIT-OET	Assorted ear clips

### 167 MATERIALS

Stainless steel 1.4301/UNS S30400

### 163 MATERIALS

Stainless steel 1.4301/UNS S30400

### 126 MATERIALS

Stainless steel 1.4016/UNS S43000



4142

### 90 PIECE CLAMP KIT EXPERTAINER

PART NUMBER	DESCRIPTION
OET18500219	80 x StepLess® ear clamps 167 5 x Adjustable clamps 163 5 x Worm drive clamps 126



4142

### 10 PIECE BAG CONTENTS

#### StepLess® Ear Clamps 167

OET18500222	10 x OET16700006	8.8 – 10.5 mm
OET18500223	10 x OET16700009	9.8 – 12.3 mm
OET18500224	10 x OET16700011	11.3 – 13.8 mm
OET18500225	10 x OET16700013	12.0 – 14.5 mm
OET18500226	10 x OET16700016	13.2 – 15.7 mm
OET18500228	10 x OET16702498	16.6 – 19.8 mm
OET18500227	10 x OET16700024	17.8 – 21.0 mm
OET18500229	10 x OET16700026	19.4 – 22.6 mm

#### Ear Clamps 163

OET18500221	5 x OET16300022	23.6 – 30.0 mm
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#### Ear Clamps 126

OET18500220	5 x OET12600452	12.0 – 20.0 mm
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### 10 PIECE BAGS

PART NUMBER	NOMINAL DIA.	BAG QTY
OET18500222	ø 8.8 – 10.5 mm	10
OET18500223	ø 9.8 – 12.3 mm	10
OET18500224	ø 11.3 – 13.8 mm	10
OET18500225	ø 12.0 – 14.5 mm	10
OET18500226	ø 13.2 – 15.7 mm	10
OET18500227	ø 17.8 – 21.0 mm	10
OET18500228	ø 16.6 – 19.8 mm	10
OET18500229	ø 19.4 – 22.6 mm	10
OET18500221	ø 23.6 – 30.0 mm	10
OET18500220	ø 12.0 – 20.0 mm	10

## 124 PIECE OETIKER CLAMP KIT 'EXPERTAINER'

### DUALHOOK 259 CLAMP FEATURES

- Optimised interlock design: three dual hooks provide extra high force
- Waved band edge with dimples: enhances band strength & avoids risk of breakage
- Tongue-in-groove design: provides StepLess® feature for the whole adjustable range & a smooth sliding into the recess
- Burr-free strip edges: reduced risk of damage to parts being clamped



### DUALHOOK 259 CLAMP SPECIFICATIONS

Material	Stainless steel 1.4301/UNS S30400
Corrosion resistance according to DIN EN ISO 9227	> 1000 h
Size range	24.5 – 120.2 mm
Width x thickness	9.0 x 0.6 mm
Ear width	10.7 mm

### 124 PIECE EXPERTAINER CONTENTS

20 x OET25900000	1 Position 21.1 – 24.5 mm
20 x OET25900001 20 x OET25900002	2 Adjustable positions 22.5 – 27.6 mm 25.6 – 30.7 mm
25 x OET25900003	4 Adjustable positions 28.7 – 37.3 mm
10 x OET25900004	6 Adjustable positions 35.3 – 47.3 mm
10 x OET25900005	11 Adjustable positions 45.3 – 65.9 mm
12 x OET25900006 7 x OET25900007	16 Adjustable positions 63.9 – 93.1 mm 91.1 – 120.2 mm



### 124 PIECE CLAMP KIT EXPERTAINER

4142

PART NUMBER	CONTENTS
OET18500268	DualHook adjustable ear clamps 259

### 10 PIECE BAG CONTENTS

OET18500260	10 x OET25900000	1 Position 21.2 – 24.5 mm
OET18500261 OET18500262	10 x OET25900001 10 x OET25900002	2 Adjustable positions 22.5 – 27.6 mm 25.6 – 30.7 mm
OET18500263	10 x OET25900003	4 Adjustable positions 28.7 – 37.3 mm
OET18500264	10 x OET25900004	6 Adjustable positions 35.3 – 47.3 mm
OET18500265	10 x OET25900005	11 Adjustable positions 45.3 – 65.9 mm
OET18500266 OET18500267	10 x OET25900006 10 x OET25900007	16 Adjustable positions 63.9 – 93.1 mm 91.1 – 120.2 mm

### 10 PIECE BAGS

4142

PART NUMBER	NOMINAL DIA.	BAG QTY
OET18500260	ø 21.0 – 24.5 mm	10
OET18500261	ø 22.5 – 27.6 mm	10
OET18500262	ø 25.6 – 30.7 mm	10
OET18500263	ø 28.7 – 37.3 mm	10
OET18500264	ø 35.3 – 47.3 mm	10
OET18500265	ø 45.3 – 65.9 mm	10
OET18500266	ø 63.9 – 93.1 mm	10
OET18500267	ø 91.1 – 120.2 mm	10



## UNIVERSAL ADJUSTABLE CLAMPS 159

### UNIVERSAL 159 CLAMP FEATURES

- Choice of engagement positions: clamp can be adjusted to several nominal diameters
- Clamp ear: simple & fast installation, visible deformation provides evidence of proper closure
- Specially formed strip edges: reduced risk of damage to parts being clamped



### UNIVERSAL 159 CLAMP SPECIFICATIONS

Material	Stainless steel 1.4301/UNS S30400
Closing force	2400N
Size range	25.0 – 50.0 mm 54.0 – 120.0 mm
Width x thickness	7.0 x 0.8 mm
Ear width	8.5 mm

New

### 159 CLAMPS

#### 1 OF EACH SIZE CLAMP SUPPLIED



4142

PART NUMBER	NOMINAL DIA.	BAG QTY
OET18500270	25 – 50 mm 54 – 120 mm	1

New

### 10 PIECE BAGS

4142

PART NUMBER	NOMINAL DIA.	BAG QTY
OET18500239	54 – 120 mm	10



## HAND INSTALLATION PINCERS

### DESCRIPTION

Oetiker Hand Installation Pincers (HIP) have been designed especially for industry & trade applications, as well as automotive service & repair, for pinching Oetiker ear clamps quickly & easily.

Side jaw pincers allow for the installation of clamps in limited spaces where a standard jaw configuration is not feasible.

For the installation of genuine oetiker ear clamps.



**COMPOUND ACTION PINCER  
STRAIGHT HANDLES**

4140

PART NUMBER	JAW WIDTH	OPENING GAP
OET14100425	12.5 mm	16.0 mm

Recommended for 259 clamps

### COMPOUND ACTION PINCER

#### STANDARD JAWS – STRAIGHT HANDLES

4140

PART NUMBER	JAW WIDTH	OPENING GAP
OET14100496	19 mm	19.5 mm

Recommended for 101, 108, 151, 153, 154, 163, 167 clamps



### COMPOUND ACTION PINCER

#### STANDARD JAWS – CURVED HANDLES

4140

PART NUMBER	JAW WIDTH	OPENING GAP
OET14100497	19 mm	18.4 mm

Recommended for 101, 108, 151, 153, 154, 163, 167 clamps



### COMPOUND ACTION PINCER

#### SIDE JAWS – STRAIGHT HANDLES

4140

PART NUMBER	JAW WIDTH	OPENING GAP
OET14100498	12.4 mm	Top: 21.6 mm Side: 16.3 mm

Recommended for 101, 108, 151, 153, 154, 163, 167 clamps



### COMPOUND ACTION PINCER

#### SIDE JAWS – CURVED HANDLES

4140

PART NUMBER	JAW WIDTH	OPENING GAP
OET14100499	12.4 mm	Top: 20.3 mm Side: 15.4 mm

Recommended for 101, 108, 151, 153, 154, 163, 167 clamps



## HAND CLAMP CUTTERS

### DESCRIPTION

Oetiker hand clamp cutters are designed to safely remove Oetiker ear clamps that can be closed with Oetiker HIP 2000 series hand installation pincers or similar power tools. FOR CLAMP REMOVAL ONLY. Orange grips distinguish hand clamp cutters from hand installation pincers. Heavy duty hand clamp cutters offer maximum mechanical advantage for easier and safer use, longer handles for higher force generation.

For the removal of genuine Oetiker ear clamps.



**HAND CLAMP CUTTERS  
HEAVY DUTY**

4140

PART NUMBER	JAW WIDTH	EAR WIDTH	OPENING GAP
OET14100609	10.7 mm	10 mm	13.0 mm

Recommended for 259 clamps



**HAND CLAMP CUTTERS  
STANDARD DUTY**

4140

PART NUMBER	JAW WIDTH	EAR WIDTH	OPENING GAP
OET14100519	19 mm	13 mm	18.4 mm

Recommended for 101, 108, 151, 153, 154, 163, 167 clamps

## TUBE CUTTERS & REPLACEMENT BLADES

### TUBE CUTTERS

#### CURVED HANDLES

4140

PART NUMBER	JAW WIDTH	OPENING GAP
OET14100504	25 mm	28.5 mm



### TUBE CUTTER

#### REPLACEMENT BLADES

4140

PART NUMBER	DESCRIPTION
OET14100506	For use with OET14100504





## W1 CLIPS

### SPECIFICATIONS

Band	Steel DC04 (EN 10139)
Finish	Silver white Cr3 zinc plated
Inner ring – if applicable	301 stainless steel, 1.4310 (EN 10151)



4180

### 1 EAR W1 CLIPS ZINC PLATED MILD STEEL

PART NUMBER	CLAMPING RANGE
M0301208-0	7 – 9 mm
M0301207-2	8 – 10 mm
M0301201-3	9 – 11 mm
M0301202-1	10 – 12 mm
M0301203-0	11 – 13 mm
M0301204-8	12 – 14 mm
M0301205-6	14 – 16 mm
M0301206-4	16 – 18 mm



4180

### 1 EAR W1 CLIPS WITH STAINLESS STEEL INNER RING ZINC PLATED MILD STEEL

PART NUMBER	CLAMPING RANGE
M0301100-9	7.5 – 8.5 mm
M0301101-0	8.0 – 9.5 mm
M0301102-9	9.0 – 10.5 mm
M0301103-7	10.0 – 11.5 mm
M0301104-5	10.5 – 12.5 mm
M0301105-3	11.5 – 13.3 mm
M0301106-1	13.0 – 15.3 mm
M0301107-0	15.0 – 17.3 mm



4180

### 2 EAR W1 CLIPS ZINC PLATED MILD STEEL

PART NUMBER	CLAMPING RANGE
M0301210-1	5 – 7 mm
M0301211-0	7 – 9 mm
M0301212-8	9 – 11 mm
M0301209-9	10 – 12 mm
M0301213-6	11 – 13 mm
M0301214-4	13 – 15 mm
M0301215-2	14 – 17 mm
M0301216-0	15 – 18 mm
M0301217-9	17 – 20 mm
M0301218-7	18 – 21 mm
M0301219-5	20 – 23 mm
M0301220-8	22 – 25 mm
M0301221-6	23 – 27 mm
M0301222-4	25 – 28 mm
M0301223-2	28 – 31 mm
M0301224-0	31 – 34 mm
M0301225-9	34 – 37 mm
M0301226-7	37 – 40 mm
M0301227-5	40 – 43 mm
M0301228-3	43 – 46 mm

## W4 CLIPS – STAINLESS STEEL

### SPECIFICATIONS

Band	304 stainless steel, 1.4301 (EN 10088-2:2005)
Finish	100% stainless steel
Inner ring – if applicable	301 stainless steel, 1.4310 (EN 10151)



4180

### 1 EAR W4 CLIPS STAINLESS STEEL

PART NUMBER	CLAMPING RANGE
M2301244-0	7 – 9 mm
M2301208-7	8 – 10 mm
M2301201-0	9 – 11 mm
M2301202-8	10 – 12 mm
M2301203-6	11 – 13 mm
M2301204-4	12 – 14 mm
M2301207-9	13 – 15 mm
M2301205-2	14 – 16 mm
M2301245-8	15 – 17 mm
M2301206-0	16 – 18 mm
M2301242-3	17 – 19 mm
M2301243-1	18 – 20 mm



4180

### 1 EAR W4 CLIPS WITH INNER RING STAINLESS STEEL

PART NUMBER	CLAMPING RANGE
M2301230-0	7.5 – 8.5 mm
M2301231-9	8.2 – 9.5 mm
M2301232-7	9.0 – 10.5 mm
M2301233-5	10.0 – 11.5 mm
M2301234-3	10.5 – 12.5 mm
M2301235-1	11.5 – 13.5 mm
M2301236-0	12.5 – 14.5 mm
M2301237-8	13.0 – 15.3 mm
M2301238-6	14.0 – 16.3 mm
M2301239-4	15.0 – 17.3 mm
M2301240-7	16.0 – 18.3 mm
M2301241-5	17.0 – 19.3 mm



4180

### 2 EAR W4 CLIPS STAINLESS STEEL

PART NUMBER	CLAMPING RANGE
M2301210-8	5 – 7 mm
M2301211-6	7 – 9 mm
M2301212-4	9 – 11 mm
M2301213-2	11 – 13 mm
M2301214-0	13 – 15 mm
M2301215-9	14 – 17 mm
M2301216-7	15 – 18 mm
M2301217-5	17 – 20 mm
M2301218-3	18 – 21 mm
M2301219-1	20 – 23 mm
M2301220-4	22 – 25 mm



## PINCERS FOR LOW PRESSURE O CLIPS

### W1 & W4 CLIP PINCERS



**SIDE CLOSING PINCERS**  
FOR USE WITH W1 & W4 CLIPS

PART NUMBER	DESCRIPTION
M03011096	Side closing pincers

### W1 & W4 CLIP PINCERS



**FRONTAL PINCERS**  
FOR USE WITH W1 & W4 CLIPS

PART NUMBER	DESCRIPTION
M03011088	Frontal pincers

## O CLIP ASSORTMENT BOXES

### DESCRIPTION

Mikalor has developed the two ear clip assortment boxes with the aim of providing all the most commonly used dimensions in zinc plated mild steel & in stainless steel. The sturdy plastic case is also very convenient for transporting the product & means that you always have the most common dimensions at your disposal. The insert contains information on the location of each diameter inside the box. Each box contains a set of pincers which can be used with all dimensions of Mikalor ear clips in all sorts of applications.

### BOX CONTENTS

50 x 5 – 7 mm	50 x 11 – 13 mm	30 x 17 – 20 mm
50 x 7 – 9 mm	50 x 13 – 15 mm	25 x 20 – 23 mm
50 x 9 – 11 mm	50 x 15 – 18 mm	20 x 22 – 25 mm
1 x Pincers		



New

### O CLIP ASSORTMENT BOX

PART NUMBER	MATERIAL	CONTENTS
M3503116	W1	375 clips
M3503124	W4	375 clips

## CLIPS

### SPRING CLIPS

### DESCRIPTION

Designed to distribute pressure uniformly around the application zone. Recommended when the hose is subject to rapid changes in temperature, causing expansion & contraction of the materials used in the assembly. Spring clips maintain pressure during this process, thereby preventing leaks.

### SPECIFICATIONS

Band	Steel C67S
Finish	Silver white Cr3 zinc plated



**AML W1 CLIPS**  
ZINC PLATED MILD STEEL

PART NUMBER	CLAMPING RANGE
M02014025	5.5 mm ± 0.10
M02014033	6.4 mm ± 0.10
M02014041	7.4 mm ± 0.15
M02014050	8.4 mm ± 0.15
M02014068	9.3 mm ± 0.20
M02014076	10.3 mm ± 0.20
M02014084	11.1 mm ± 0.20
M02014092	12.9 mm ± 0.20
M02014105	13.5 mm ± 0.20
M02014113	15.6 mm ± 0.20
M02014121	18.4 mm ± 0.40

### WIRE CLIPS

### DESCRIPTION

Wire clips are a competitively priced clamping solution for use in certain applications. They are used in low pressure applications & particularly with small diameter sunken spiral hoses.

### SPECIFICATIONS

Band	Spring steel TS 2500-1
Finish	Silver white Cr3 zinc plated



**AAL W1 CLIPS**  
ZINC PLATED SPRING STEEL

PART NUMBER	CLAMPING RANGE		
	MIN.	OPTIMAL	MAX.
M02016012	7.3 mm	7.6 mm	7.8 mm
M02016020	7.8 mm	8.1 mm	8.3 mm
M02016039	8.3 mm	8.6 mm	8.8 mm
M02016047	8.8 mm	9.1 mm	9.3 mm
M02016055	9.3 mm	9.6 mm	9.9 mm
M02016063	9.8 mm	10.1 mm	10.4 mm
M02016071	10.4 mm	10.7 mm	11.0 mm
M02016080	11.0 mm	11.3 mm	11.6 mm
M02016098	11.6 mm	11.9 mm	12.3 mm
M02016100	12.1 mm	12.8 mm	13.1 mm
M02016119	12.9 mm	13.3 mm	13.6 mm
M02016127	13.6 mm	14.0 mm	14.4 mm
M02016135	14.4 mm	14.8 mm	15.1 mm
M02016143	14.8 mm	15.5 mm	15.9 mm
M02016151	15.9 mm	16.4 mm	16.8 mm
M02016160	16.8 mm	17.3 mm	17.7 mm
M02016178	17.7 mm	18.2 mm	18.7 mm
M02016186	18.7 mm	19.2 mm	19.6 mm
M02016194	19.6 mm	20.2 mm	20.5 mm

Do you also need?



**Pneumatic tool**

Please contact your distributor for further information

## R TYPE MINI CLAMPS 180

### 180 MINI CLAMP FEATURES

- Compact design: Minimal space requirement, miniature sizes
- Cylindrical screw head: fast, simple & safe installation
- Embossed band strip: reduced risk of damage to the part being clamped

### MATERIALS

W2 band	Rust-resistant chromium steel 1.4016/UNS S43000
Screw & housing	Steel, zinc-plated, blue chromate finish



4145

## 180 MINI CLAMPS ZINC PLATED STEEL

PART NUMBER	TYPE	CLAMPING RANGE
OET18000000	MINI R 1	6 – 11 mm
OET18000001	MINI R 1.5	7 – 15 mm
OET18000002	MINI R 2	11 – 19 mm
OET18000248	MINI R 1 *GZ	6 – 11 mm
OET18000249	MINI R 2 *GZ	9 – 19 mm

\*GZ = rolled with cylindrical screw head

## R+S TYPE MINI CLAMPS 180

### 180 MINI CLAMP FEATURES

- Compact design: Minimal space requirement, miniature sizes
- Cylindrical screw head: fast, simple & safe installation
- Embossed band strip: reduced risk of damage to the part being clamped

### MATERIALS

W4 band & fastener	Stainless steel 1.4301/UNS S30400
Screw	Stainless steel 1.4305/UNS S30300



4145

## 180 MINI CLAMPS STAINLESS STEEL

PART NUMBER	TYPE	CLAMPING RANGE
OET18000003	MINI R+S 1	7 – 11 mm
OET18000004	MINI R+S 2	11 – 19 mm
OET18000005	MINI R+S 3	18 – 29 mm
OET18000006	MINI R+S 4	28 – 39 mm
OET18000007	MINI R+S 5	38 – 49 mm
OET18000008	MINI R+S 6	48 – 59 mm
OET18000009	MINI R+S 7	58 – 69 mm
OET18000010	MINI R+S 8	68 – 79 mm
OET18000011	MINI R+S 9	78 – 89 mm
OET18000012	MINI R+S 10	88 – 99 mm
OET18000013	MINI R+S 11	98 – 109 mm
OET18000014	MINI R+S 12	108 – 119 mm
OET18000015	MINI R+S 13	118 – 129 mm
OET18000016	MINI R+S 14	128 – 139 mm
OET18000017	MINI R+S 15	138 – 149 mm
OET18000018	MINI R+S 16	148 – 159 mm
OET18000019	MINI R+S 17	158 – 169 mm
OET18000020	MINI R+S 18	168 – 179 mm
OET18000021	MINI R+S 19	178 – 189 mm
OET18000022	MINI R+S 20	188 – 199 mm
OET18000023	MINI R+S 21	198 – 209 mm
OET18000024	MINI R+S 22	208 – 219 mm

## R+S<sup>2</sup> TYPE MINI CLAMPS WITH WING SCREW 180

### 180 MINI CLAMP FEATURES

- Compact design: Minimal space requirement, miniature sizes
- Cylindrical screw head: fast, simple & safe installation
- Embossed band strip: reduced risk of damage to the part being clamped

### MATERIALS

W4 band & fastener	Stainless steel 1.4301/UNS S30400
Screw	Stainless steel 1.4305/UNS S30300



4145

## 180 MINI CLAMPS WITH WING SCREW STAINLESS STEEL & ACID PROOF

PART NUMBER	TYPE	CLAMPING RANGE
OET18000183	MINI R+S F 1	7 – 11 mm
OET18000184	MINI R+S F 2	11 – 19 mm
OET18000185	MINI R+S F 3	18 – 29 mm
OET18000186	MINI R+S F 4	28 – 39 mm
OET18000187	MINI R+S F 5	38 – 49 mm
OET18000188	MINI R+S F 6	48 – 59 mm
OET18000189	MINI R+S F 7	58 – 69 mm
OET18000190	MINI R+S F 8	68 – 79 mm
OET18000191	MINI R+S F 9	78 – 89 mm
OET18000192	MINI R+S F 10	88 – 99 mm
OET18000193	MINI R+S F 11	98 – 109 mm
OET18000194	MINI R+S F 12	108 – 119 mm
OET18000195	MINI R+S F 13	118 – 129 mm
OET18000196	MINI R+S F 14	128 – 139 mm
OET18000197	MINI R+S F 15	138 – 149 mm
OET18000198	MINI R+S F 16	148 – 159 mm
OET18000199	MINI R+S F 17	158 – 169 mm
OET18000200	MINI R+S F 18	168 – 179 mm
OET18000201	MINI R+S F 19	178 – 189 mm
OET18000202	MINI R+S F 20	188 – 199 mm
OET18000203	MINI R+S F 21	198 – 209 mm
OET18000204	MINI R+S F 22	208 – 219 mm

## TWIN CLAMPS 108

### TWIN CLAMP FEATURES

Single component clamp for holding hoses, cables, tubes & control cables parallel, formed from short sections of tube.

- Can be used for different diameters & spacings
- Radiused strip edges prevent damage to clamped parts
- Fast, simple & secure installation
- Robust execution

### SPECIFICATIONS

Materials Zinc plated steel to DIN 1.0338 or SAE 1008/101



4145

## DOUBLE / TWIN CLAMPS CLOSED VERSION

PART NUMBER	CLAMPING RANGE
OET10800000	4 – 5 mm
OET10800001	6 – 7 mm
OET10800002	8 – 9 mm
OET10800003	10 – 11 mm
OET10800004	12 – 13 mm
OET10800005	14 – 15 mm
OET10800006	16 – 17 mm
OET10800007	18 – 19 mm
OET10800008	20 – 21 mm
OET10800009	22 – 23 mm

## WORM DRIVE CLAMPS 180

### 180 CLAMP FEATURES

- Toggle lock with intermediate position: fast & simple assembly, high tightening torque
- Visual overload protection: protects against excessive tightening
- Hexagon socket screw SW5: fast & safe assembly

### MATERIALS

Band & fastener	Stainless steel 1.4301/UNS S30400
Screw	Stainless steel 1.4305/UNS S30300



### 180 CLAMPS STAINLESS STEEL



4145

PART NUMBER	CLAMPING RANGE
OET18000206	30 – 60 mm
OET18000025	50 – 80 mm
OET18000026	80 – 110 mm
OET18000027	110 – 140 mm
OET18000028	140 – 170 mm
OET18000029	170 – 200 mm
OET18000030	200 – 230 mm
OET18000031	230 – 260 mm
OET18000032	260 – 290 mm
OET18000033	290 – 320 mm
OET18000034	320 – 350 mm



### 180 CLAMPS WITH WING SCREW STAINLESS STEEL



4145

PART NUMBER	CLAMPING RANGE
OET18000207	30 – 60 mm
OET18000136	50 – 80 mm
OET18000137	80 – 110 mm
OET18000135	110 – 140 mm
OET18000168	140 – 170 mm
OET18000143	170 – 200 mm
OET18000169	200 – 230 mm
OET18000174	230 – 260 mm
OET18000175	260 – 290 mm
OET18000176	290 – 320 mm
OET18000177	320 – 350 mm



### 180 UNIVERSAL CLAMP BAND STAINLESS STEEL



4145

PART NUMBER	BAND THICKNESS	BAND WIDTH	ROLL SIZE
OET18000213	0.6 mm	8 mm	10 m
OET18000214	0.6 mm	8 mm	20 m
OET18000215	0.6 mm	8 mm	30 m
OET18000216	0.6 mm	12 mm	10 m
OET18000217	0.6 mm	12 mm	20 m
OET18000218	0.6 mm	12 mm	30 m



### CLOSING ELEMENT FOR UNIVERSAL CLAMP BAND STAINLESS STEEL



4145

PART NUMBER	DESCRIPTION
OET18000211	Closing element

## UNIVERSAL BANDING & LOCKS 174

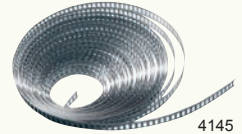
### UNIVERSAL BANDING & LOCK FEATURES

- Perforated band: universally applicable for various diameters & widths
- Ratchet lock: installation & removal without tools
- Screw lock: simple installation, high holding force

### MATERIALS

Stainless steel 1.4301 DIN/UNS S30400

## BANDING



4145

### 174 UNIVERSAL CLAMP BAND STAINLESS STEEL

PART NUMBER	BAND THICKNESS	BAND WIDTH	ROLL SIZE
OET17400067	0.50 mm	10 mm	10 m
OET17400081	0.50 mm	10 mm	20 m
OET17400077	0.80 mm	18 mm	10 m
OET17400079	0.80 mm	18 mm	20 m
OET17400101	0.70 mm	30 mm	10 m
OET17401421	0.70 mm	30 mm	20 m

## LOCKS

### 174 SCREW LOCK STAINLESS STEEL FOR USE WITH 10 MM BAND



4145

PART NUMBER	CLAMPING RANGE	BAND WIDTH
OET17400003	40 – 100 mm	10 mm
OET17400002	100 mm +	10 mm

### FOR USE WITH 18 MM BAND

OET17400005	10 – 150 mm	18 mm
OET17400004	150 mm +	18 mm

### FOR USE WITH 30 MM BAND

OET17400006	80 – 150 mm	30 mm
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### 174 RATCHET LOCK STAINLESS STEEL FOR USE WITH 10 MM BAND



4145

PART NUMBER	CLAMPING RANGE	BAND WIDTH
OET17400063	35 – 60 mm	10 mm
OET17400064	60 + mm	10 mm

**MULTIBAND CUT TO LENGTH**
**SPECIFICATIONS**

Material	Mild steel zinc plated
Fastening	7 mm A/F screw
Corrosion resistance*	240 hours NSS test


**11 MM BAND MILD STEEL  
ZINC PLATED**

4110

PART NUMBER	DESCRIPTION
J MB1701	10 m banding reel
J MB1702	30 m banding reel
J MB1704	25 x housings & screws
J MB1705	25 x housings & Allen screws
J MB1706	25 x captive screws
J MB1707	Pocket pack 3 m + 8 housings & screws
J MB1708	Handy pack 10 m + 25 housings & screws

**SLIMLINE MULTIBAND CUT TO LENGTH**
**SPECIFICATIONS**

Material	304 stainless steel
Fastening	7 mm A/F screw
Corrosion resistance*	1000 hours NSS test


**7 MM BAND STAINLESS STEEL**

4110

PART NUMBER	DESCRIPTION
J MB1601	25 m banding reel
J MB1602	50 m banding reel
J MB1603	25 x flip lock housings & screws
J MB1607	Pocket pack 8 m + 10 flip lock housings & screws

**MULTIBAND**
**SPECIFICATIONS**

Material	304 stainless steel
Fastening	7 mm A/F screw
Corrosion resistance*	1000 hours NSS test


**11 MM BAND STAINLESS STEEL**

4110

PART NUMBER	DESCRIPTION
J MB1801	10 m banding reel
J MB1802	30 m banding reel
J MB1803	25 x housings & screws
J MB1804	25 x housings & Allen screws
J MB1805	25 x captive screws
J MB1806	Handy pack 10 m + 25 housings & screws
J MB1807	Pocket pack 3 m + 8 housing & screws

**QUICK RELEASE STRAPS**
**SPECIFICATIONS**

Material	Zinc protected mild steel
Fastening	7 mm A/F screw
Corrosion resistance*	240 hours NSS test


**11 MM ZINC PROTECTED MILD STEEL**

4110

PART NUMBER	CLAMPING RANGE
J CAS050MS	35 – 50 mm
J CAS075MS	45 – 75 mm
J CAS100MS	50 – 100 mm
J CAS120MS	50 – 120 mm
J CAS150MS	50 – 150 mm
J CAS175MS	50 – 175 mm
J CAS200MS	50 – 200 mm
J CAS225MS	50 – 225 mm
J CAS250MS	50 – 250 mm
J CAS275MS	50 – 275 mm
J CAS300MS	50 – 300 mm
J CAS330MS	50 – 330 mm
J CAS355MS	50 – 355 mm
J CAS380MS	50 – 380 mm
J CAS405MS	50 – 405 mm
J CAS455MS	50 – 455 mm
J CAS505MS	50 – 505 mm
J CAS555MS	50 – 555 mm
J CAS605MS	50 – 605 mm
J CAS710MS	50 – 710 mm

\* 240 hours is regarded by the British construction industry as the equivalent of a lifetime of 60 years in an urban outside environment in the UK

## WORM DRIVE CLIPS

### LIGHT SERIES

#### SPECIFICATIONS

Screw	Qst 36.3 mild steel (DIN 1.0214) Silver white zinc plated
Band & housing	Galvanised steel S/EN 10292 (DIN 1.0935)



4180

#### ASFA-L W1 HOSE CLIPS

#### ZINC PLATED MILD STEEL BAND

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M03008753	8 – 16 mm	9 mm
M03008761	12 – 22 mm	9 mm
M03008770	16 – 27 mm	9 mm
M03008788	20 – 32 mm	9 mm
M03008796	25 – 40 mm	9 mm
M03008809	30 – 45 mm	9 mm
M03008817	32 – 50 mm	9 mm
M03008825	40 – 60 mm	9 mm
M03008833	50 – 70 mm	9 mm
M03008841	60 – 80 mm	9 mm
M03008850	70 – 90 mm	9 mm
M03008868	80 – 100 mm	9 mm
M03008876	90 – 110 mm	9 mm
M03008884	100 – 120 mm	9 mm
M03008892	110 – 130 mm	9 mm
M03008905	120 – 140 mm	9 mm
M03008913	130 – 150 mm	9 mm
M03008921	140 – 160 mm	9 mm

### HEAVY SERIES

#### SPECIFICATIONS

Screw	Qst 36.3 mild steel (DIN 1.0214) Silver white zinc plated
Band & housing	Galvanised steel S/EN 10292 (DIN 1.0935)



4180

#### ASFA-S W1 HOSE CLIPS

#### ZINC PLATED MILD STEEL BAND

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M0300900-1	16 – 27 mm	12 mm
M0300900-2	20 – 32 mm	12 mm
M0300900-3	25 – 40 mm	12 mm
M0300900-4	30 – 45 mm	12 mm
M0300900-5	32 – 50 mm	12 mm
M0300900-6	40 – 60 mm	12 mm
M0300900-7	50 – 70 mm	12 mm
M0300900-8	60 – 80 mm	12 mm
M0300900-9	70 – 90 mm	12 mm
M0300901-0	80 – 100 mm	12 mm
M0300901-1	90 – 110 mm	12 mm
M0300901-2	100 – 120 mm	12 mm
M0300901-3	110 – 130 mm	12 mm
M0300901-4	120 – 140 mm	12 mm
M0300901-5	130 – 150 mm	12 mm
M0300901-6	140 – 160 mm	12 mm
M0300901-7	150 – 170 mm	12 mm
M0300901-8	160 – 180 mm	12 mm
M0300901-9	170 – 190 mm	12 mm
M0300902-0	180 – 200 mm	12 mm
M0300902-1	190 – 210 mm	12 mm
M0300902-2	200 – 220 mm	12 mm
M0300902-3	210 – 230 mm	12 mm
M0300902-4	220 – 240 mm	12 mm

## WORM DRIVE CLIP ASSORTMENT BOXES

#### DESCRIPTION

ASFA L 9 mm & ASFA S 12 mm assortment boxes are ideal for all your hose clamp needs. This range of assortment boxes covers all available material qualities. The sturdy plastic case is also very convenient for transporting the product & means that you always have the most commonly used dimensions at your disposal. The insert contains information on the location of each diameter inside the box. Each box contains a flexible hex-socket screwdriver which can be used to tighten Mikalor worm drive clips in all sorts of applications.

#### ASFA-L BOX CONTENTS

20 x 8 – 16 mm	15 x 25 – 40 mm
20 x 12 – 22 mm	10 x 32 – 50 mm
20 x 16 – 27 mm	5 x 40 – 60 mm
20 x 20 – 32 mm	1 x 7 mm flexible screwdriver

#### ASFA-S BOX CONTENTS

20 x 16 – 27 mm	8 x 32 – 50 mm
15 x 20 – 32 mm	5 x 40 – 60 mm
15 x 25 – 40 mm	1 x 7 mm flexible screwdriver
10 x 30 – 45 mm	

New

#### ASFA-L HOSE CLIP ASSORTMENT BOX



4180

PART NUMBER	MATERIAL	CONTENTS
M3503201	W1	110 clips, 1 screwdriver
M3503211	W2	110 clips, 1 screwdriver
M3503221	W4	110 clips, 1 screwdriver

New

#### ASFA-S HOSE CLIP ASSORTMENT BOX



4180

PART NUMBER	MATERIAL	CONTENTS
M3503231	W1	73 clips, 1 screwdriver
M3503241	W2	73 clips, 1 screwdriver
M3503251	W4	73 clips, 1 screwdriver
M3503261	W5	73 clips, 1 screwdriver

## LIGHT SERIES

### SPECIFICATIONS – W2 CLIPS

Screw	Qst 36.3 mild steel (DIN 1.0214) Silver white zinc plated
Band & housing	X6Cr17 430 stainless steel (DIN 1.4016)

### SPECIFICATIONS – W4 CLIPS

Screw	304 Cu stainless steel
Band & housing	X5CrNi1810 304 stainless steel (DIN 1.4301)



4180

### ASFA-L W2 HOSE CLIPS STAINLESS STEEL BAND

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M0301650-8	8 – 12 mm	7.5 mm
M0301651-6	8 – 16 mm	9.0 mm
M0301652-4	12 – 22 mm	9.0 mm
M0301653-2	16 – 27 mm	9.0 mm
M0301654-0	20 – 32 mm	9.0 mm
M0301655-9	25 – 40 mm	9.0 mm
M0301656-7	30 – 45 mm	9.0 mm
M0301657-5	32 – 50 mm	9.0 mm
M0301658-3	40 – 60 mm	9.0 mm
M0301659-1	50 – 70 mm	9.0 mm
M0301660-4	60 – 80 mm	9.0 mm
M0301661-2	70 – 90 mm	9.0 mm
M0301662-0	80 – 100 mm	9.0 mm
M0301663-9	90 – 110 mm	9.0 mm
M0301664-7	100 – 120 mm	9.0 mm
M0301665-5	110 – 130 mm	9.0 mm
M0301666-3	120 – 140 mm	9.0 mm
M0301667-1	130 – 150 mm	9.0 mm
M0301668-0	140 – 160 mm	9.0 mm



4180

### ASFA-L W4 HOSE CLIPS ALL STAINLESS STEEL

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M0301400-0	8 – 12 mm	9 mm
M0301401-9	8 – 16 mm	9 mm
M0301402-7	12 – 22 mm	9 mm
M0301403-5	16 – 27 mm	9 mm
M0301404-3	20 – 32 mm	9 mm
M0301403-1	20 – 35 mm	9 mm
M0301405-1	25 – 40 mm	9 mm
M0301406-0	30 – 45 mm	9 mm
M0301407-8	32 – 50 mm	9 mm
M0301408-6	40 – 60 mm	9 mm
M0301409-4	50 – 70 mm	9 mm
M0301410-7	60 – 80 mm	9 mm
M0301411-5	70 – 90 mm	9 mm
M0301412-3	80 – 100 mm	9 mm
M0301414-0	90 – 110 mm	9 mm
M0301415-8	100 – 120 mm	9 mm
M0301416-6	110 – 130 mm	9 mm
M0301417-4	120 – 140 mm	9 mm
M0301418-2	130 – 150 mm	9 mm
M0301419-0	140 – 160 mm	9 mm



4190

### FLEXIDRIVER FOR USE WITH ABOVE CLIPS

PART NUMBER	DESCRIPTION
M03091036	Flexidriver

## HEAVY SERIES

### SPECIFICATIONS – W2 CLIPS

Screw	Qst 36.3 mild steel (DIN 1.0214) Silver white zinc plated
Band & housing	X6Cr17 430 stainless steel (DIN 1.4016)

### SPECIFICATIONS – W4 CLIPS

Screw	304 Cu stainless steel
Band & housing	X5CrNi1810 304 stainless steel (DIN 1.4301)



4180

### ASFA-S W2 HOSE CLIPS STAINLESS STEEL BAND

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M03017017	16 – 27 mm	12 mm
M03017025	20 – 32 mm	12 mm
M03017033	25 – 40 mm	12 mm
M03017009	30 – 45 mm	12 mm
M03017041	32 – 50 mm	12 mm
M03017050	40 – 60 mm	12 mm
M03017068	50 – 70 mm	12 mm
M03017076	60 – 80 mm	12 mm
M03017084	70 – 90 mm	12 mm
M03017092	80 – 100 mm	12 mm
M03017105	90 – 110 mm	12 mm
M03017113	100 – 120 mm	12 mm
M03017121	110 – 130 mm	12 mm
M03017130	120 – 140 mm	12 mm
M03017148	130 – 150 mm	12 mm
M03017156	140 – 160 mm	12 mm
M03017164	150 – 170 mm	12 mm
M03017172	160 – 180 mm	12 mm
M03017180	170 – 190 mm	12 mm
M03017199	180 – 200 mm	12 mm
M03017201	190 – 210 mm	12 mm
M03017210	200 – 220 mm	12 mm
M03017228	210 – 230 mm	12 mm
M03017236	220 – 240 mm	12 mm



4180

### ASFA-S W4 HOSE CLIPS ALL STAINLESS STEEL

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M0301473-0	16 – 27 mm	12 mm
M0301451-0	20 – 32 mm	12 mm
M0301452-9	25 – 40 mm	12 mm
M0301474-8	30 – 45 mm	12 mm
M0301453-7	32 – 50 mm	12 mm
M0301454-5	40 – 60 mm	12 mm
M0301455-3	50 – 70 mm	12 mm
M0301456-1	60 – 80 mm	12 mm
M0301457-0	70 – 90 mm	12 mm
M0301458-8	80 – 100 mm	12 mm
M0301459-6	90 – 110 mm	12 mm
M0301460-9	100 – 120 mm	12 mm
M0301461-7	110 – 130 mm	12 mm
M0301462-5	120 – 140 mm	12 mm
M0301463-3	130 – 150 mm	12 mm
M0301464-1	140 – 160 mm	12 mm
M0301465-0	150 – 170 mm	12 mm
M0301466-8	160 – 180 mm	12 mm
M0301467-6	170 – 190 mm	12 mm
M0301468-4	180 – 200 mm	12 mm
M0301469-2	190 – 210 mm	12 mm
M0301470-5	200 – 220 mm	12 mm
M0301471-3	210 – 230 mm	12 mm
M0301472-1	220 – 240 mm	12 mm

## W3 HIGH TORQUE CLIPS

### FEATURES / BENEFITS

- 42% higher performance compared with a 12 mm band worm drive clip
- 118% higher tightening torque
- 45% higher inside pressure
- Special screw with hexagonal 8 mm screwhead
- No perforations in the band = no damage to the hose compared with other brands
- Double fastening reinforcement
- Bevelled band edges to protect the hose from damage
- Deeper band thread to increase the tightening torque
- Especially suitable in industrial applications & in the automotive sector

### SPECIFICATIONS

Band & Housing	430 stainless steel X6Cr17 (DIN 1.4016)
Screw	304 stainless steel

New



4165

### W3 CLIPS

#### 430 STAINLESS STEEL BAND

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M3066001	25 mm – 45 mm	16 mm
M3066002	32 mm – 54 mm	16 mm
M3066003	47 mm – 67 mm	16 mm
M3066004	57 mm – 79 mm	16 mm
M3066005	70 mm – 92 mm	16 mm
M3066006	83 mm – 105 mm	16 mm
M3066007	95 mm – 118 mm	16 mm
M3066008	108 mm – 130 mm	16 mm
M3066009	121 mm – 143 mm	16 mm
M3066010	133 mm – 156 mm	16 mm
M3066011	146 mm – 168 mm	16 mm
M3066012	159 mm – 181 mm	16 mm
M3066013	172 mm – 194 mm	16 mm
M3066014	184 mm – 206 mm	16 mm
M3066015	197 mm – 219 mm	16 mm
M3066016	210 mm – 234 mm	16 mm

## W4 HIGH TORQUE CLIPS

### FEATURES / BENEFITS

- 42% higher performance compared with a 12 mm band worm drive clip
- 118% higher tightening torque
- 45% higher inside pressure
- Special screw with hexagonal 8 mm screwhead
- No perforations in the band = no damage to the hose compared with other brands
- Double fastening reinforcement
- Bevelled band edges to protect the hose from damage
- Deeper band thread to increase the tightening torque
- Especially suitable in industrial applications & in the automotive sector

### SPECIFICATIONS

Band & Housing	304 stainless steel X5CrNi 18/20 (DIN 1.403)
Screw	304 stainless steel Cu

New



4165

### W4 CLIPS

#### 304 STAINLESS STEEL BAND

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M3067001	25 mm – 45 mm	16 mm
M3067002	32 mm – 54 mm	16 mm
M3067003	47 mm – 67 mm	16 mm
M3067004	57 mm – 79 mm	16 mm
M3067005	70 mm – 92 mm	16 mm
M3067006	83 mm – 105 mm	16 mm
M3067007	95 mm – 118 mm	16 mm
M3067008	108 mm – 130 mm	16 mm
M3067009	121 mm – 143 mm	16 mm
M3067010	133 mm – 156 mm	16 mm
M3067011	146 mm – 168 mm	16 mm
M3067012	159 mm – 181 mm	16 mm
M3067013	172 mm – 194 mm	16 mm
M3067014	184 mm – 206 mm	16 mm
M3067015	197 mm – 219 mm	16 mm
M3067016	210 mm – 234 mm	16 mm

## RIGHT HAND BRIDGE CLAMPS – W2

### FEATURES

- For hose with a left-hand external helix
- Right hand bridge
- Single bridge
- Ideal for fastening externally corrugated spiral hose

### SPECIFICATIONS

Band & housing	430 stainless steel X6Cr17 (DIN 1.4016)
Screw	Mild steel Qst 36.3 (DIN 1.0214)

New



4165

### ASFA-L W2 CLAMPS

#### 430 STAINLESS STEEL

PART NUMBER	CLAMPING RANGE	BAND WIDTH
MA1PD32-50W2L	32 mm – 46 mm	9 mm
MA1PD40-60W2L	40 mm – 56 mm	9 mm
MA1PD50-70W2L	50 mm – 66 mm	9 mm
MA1PD60-80W2L	60 mm – 76 mm	9 mm
MA1PD70-90W2L	70 mm – 86 mm	9 mm
MA1PD80-100W2L	80 mm – 96 mm	9 mm
MA1PD90-110W2L	90 mm – 106 mm	9 mm
MA1PD100-120W2L	100 mm – 116 mm	9 mm
MA1PD110-130W2L	110 mm – 126 mm	9 mm
MA1PD120-140W2L	120 mm – 136 mm	9 mm
MA1PD130-150W2L	130 mm – 146 mm	9 mm
MA1PD140-160W2L	140 mm – 156 mm	9 mm

New



4165

### ASFA-S W2 CLAMPS

#### 430 STAINLESS STEEL

PART NUMBER	CLAMPING RANGE	BAND WIDTH
MA1PD32-50W2S	32 mm – 46 mm	12 mm
MA1PD40-60W2S	40 mm – 56 mm	12 mm
MA1PD50-70W2S	50 mm – 66 mm	12 mm
MA1PD60-80W2S	60 mm – 76 mm	12 mm
MA1PD70-90W2S	70 mm – 86 mm	12 mm
MA1PD80-100W2S	80 mm – 96 mm	12 mm
MA1PD90-110W2S	90 mm – 106 mm	12 mm
MA1PD100-120W2S	100 mm – 116 mm	12 mm
MA1PD110-130W2S	110 mm – 126 mm	12 mm
MA1PD120-140W2S	120 mm – 136 mm	12 mm
MA1PD130-150W2S	130 mm – 146 mm	12 mm
MA1PD140-160W2S	140 mm – 156 mm	12 mm
MA1PD150-170W2S	150 mm – 166 mm	12 mm
MA1PD160-180W2S	160 mm – 176 mm	12 mm
MA1PD170-190W2S	170 mm – 186 mm	12 mm
MA1PD180-200W2S	180 mm – 196 mm	12 mm
MA1PD190-206W2S	190 mm – 206 mm	12 mm
MA1PD200-220W2S	200 mm – 216 mm	12 mm
MA1PD210-230W2S	210 mm – 230 mm	12 mm
MA1PD220-240W2S	220 mm – 240 mm	12 mm



## JUBILEE® ORIGINAL RANGE HOSE CLIPS

### APPLICABLE STANDARDS

Jubilee clips are Kitemarked™ to BS 5315:1991, the company is registered to BS EN ISO 9001:2008 Quality Management System & ISO 14001 Environmental Management System. The Original & High Torque stainless steel ranges are also Lloyd's Register Type Approved, essential when used for marine applications.



### ZINC PROTECTED MILD STEEL CLIPS

Industry recommendations	<ul style="list-style-type: none"> <li>• Agricultural</li> <li>• Automotive</li> <li>• Hardware / DIY</li> <li>• Industrial</li> </ul>
Corrosion resistance*	240 hours NSS test
Fastening	7 mm A/F screw
<b>304 GRADE STAINLESS STEEL CLIPS</b>	
Industry recommendations	<ul style="list-style-type: none"> <li>• Agricultural</li> <li>• Food</li> <li>• Hardware / DIY</li> <li>• Industrial</li> <li>• Marine</li> <li>• Oil / gas</li> </ul>
Corrosion resistance*	1000 hours NSS test
Fastening	7 mm A/F screw
<b>316 GRADE STAINLESS STEEL CLIPS</b>	
Industry recommendations	<ul style="list-style-type: none"> <li>• Food</li> <li>• Marine</li> <li>• Oil / gas</li> </ul>
Corrosion resistance*	2000 hours NSS test
Fastening	7 mm A/F screw



### ZINC PROTECTED MILD STEEL CLIPS PRICE PER CLIP



4110

PART NUMBER	CLAMPING RANGE	BAND WIDTH	BOX QTY
J 000	9.5 – 12 mm	9.9 mm	10
J MOO	11 – 16 mm	9.9 mm	10
J OO	13 – 20 mm	9.9 mm	10
J O	16 – 22 mm	13.0 mm	10
J OX	18 – 25 mm	13.0 mm	10
J 1A	22 – 30 mm	13.0 mm	10
J 1	25 – 35 mm	13.0 mm	10
J 1X	30 – 40 mm	13.0 mm	10
J 1M	32 – 45 mm	13.0 mm	10
J 2A	35 – 50 mm	13.0 mm	10
J 2	40 – 55 mm	13.0 mm	10
J 2X	45 – 60 mm	13.0 mm	10
J 3	55 – 70 mm	13.0 mm	10
J 3X	60 – 80 mm	13.0 mm	1
J 4	70 – 90 mm	13.0 mm	1
J 4X	85 – 100 mm	13.0 mm	1
J 5	90 – 120 mm	13.0 mm	1
J 6	110 – 140 mm	13.0 mm	1
J 6X	120 – 150 mm	13.0 mm	1
J 7	135 – 165 mm	13.0 mm	1
J 7.5	158 – 190 mm	13.0 mm	1
J 8.5	184 – 216 mm	13.0 mm	1
J 9.5	210 – 242 mm	13.0 mm	1
J 10.5	235 – 267 mm	13.0 mm	1
J 11.5	260 – 292 mm	13.0 mm	1
J 12.5	286 – 318 mm	13.0 mm	1



### 304 GRADE STAINLESS STEEL CLIPS PRICE PER CLIP



4110

PART NUMBER	CLAMPING RANGE	BAND WIDTH	BOX QTY
J 00OSS	9.5 – 12 mm	9.9 mm	10
J MOOSS	11 – 16 mm	9.9 mm	10
J OOSS	13 – 20 mm	9.9 mm	10
J OSS	16 – 22 mm	13.0 mm	10
J OXSS	18 – 25 mm	13.0 mm	10
J 1ASS	22 – 30 mm	13.0 mm	10
J 1SS	25 – 35 mm	13.0 mm	10
J 1XSS	30 – 40 mm	13.0 mm	10
J 1MSS	32 – 45 mm	13.0 mm	10
J 2ASS	35 – 50 mm	13.0 mm	10
J 2SS	40 – 55 mm	13.0 mm	10
J 2XSS	45 – 60 mm	13.0 mm	10
J 3SS	55 – 70 mm	13.0 mm	10
J 3XSS	60 – 80 mm	13.0 mm	1
J 4SS	70 – 90 mm	13.0 mm	1
J 4XSS	85 – 100 mm	13.0 mm	1
J 5SS	90 – 120 mm	13.0 mm	1
J 6SS	110 – 140 mm	13.0 mm	1
J 6XSS	120 – 150 mm	13.0 mm	1
J 7SS	135 – 165 mm	13.0 mm	1
J 7.5SS	158 – 190 mm	13.0 mm	1
J 8.5SS	184 – 216 mm	13.0 mm	1
J 9.5SS	210 – 242 mm	13.0 mm	1
J 10.5SS	235 – 267 mm	13.0 mm	1
J 11.5SS	260 – 292 mm	13.0 mm	1
J 12.5SS	286 – 318 mm	13.0 mm	1

### 316 GRADE STAINLESS STEEL CLIPS PRICE PER CLIP



4110

PART NUMBER	CLAMPING RANGE	BAND WIDTH	BOX QTY
J 000SS316	9.5 – 12 mm	9.9 mm	10
J M00SS316	11 – 16 mm	9.9 mm	10
J 00SS316	13 – 20 mm	9.9 mm	10
J 0SS316	16 – 22 mm	13.0 mm	10
J OXSS316	18 – 25 mm	13.0 mm	10
J 1ASS316	22 – 30 mm	13.0 mm	10
J 1SS316	25 – 35 mm	13.0 mm	10
J 1XSS316	30 – 40 mm	13.0 mm	10
J 1MSS316	32 – 45 mm	13.0 mm	10
J 2ASS316	35 – 50 mm	13.0 mm	10
J 2SS316	40 – 55 mm	13.0 mm	10
J 2XSS316	45 – 60 mm	13.0 mm	10
J 3SS316	55 – 70 mm	13.0 mm	10
J 3XSS316	60 – 80 mm	13.0 mm	1
J 4SS316	70 – 90 mm	13.0 mm	1
J 4XSS316	85 – 100 mm	13.0 mm	1
J 5SS316	90 – 120 mm	13.0 mm	1
J 6SS316	110 – 140 mm	13.0 mm	1
J 6XSS316	120 – 150 mm	13.0 mm	1
J 7SS316	135 – 165 mm	13.0 mm	1
J 7.5SS316	158 – 190 mm	13.0 mm	1
J 8.5SS316	184 – 216 mm	13.0 mm	1
J 9.5SS316	210 – 242 mm	13.0 mm	1
J 10.5SS316	235 – 267 mm	13.0 mm	1
J 11.5SS316	260 – 292 mm	13.0 mm	1
J 12.5SS316	286 – 318 mm	13.0 mm	1

\* 240 hours is regarded by the British construction industry as the equivalent of a lifetime of 60 years in an urban outside environment in the UK

## JUBILEE® HIGH TORQUE

### FEATURES

Quality Assurance – Lloyd's Register Type Approval

### SPECIFICATIONS

Material	304 stainless steel
Fastening	8 mm A/F screw
Corrosion resistance*	1000 hours NSS test



4110



### 304 STAINLESS STEEL

PART NUMBER	CLAMPING RANGE	BAND WIDTH
J HT035	20 – 35 mm	16 mm
J HT040	25 – 40 mm	16 mm
J HT045	25 – 45 mm	16 mm
J HT050	30 – 50 mm	16 mm
J HT055	35 – 55 mm	16 mm
J HT060	40 – 60 mm	16 mm
J HT065	45 – 65 mm	16 mm
J HT070	40 – 70 mm	16 mm
J HT080	60 – 80 mm	16 mm
J HT095	70 – 95 mm	16 mm
J HT100	80 – 100 mm	16 mm
J HT120	90 – 120 mm	16 mm
J HT140	110 – 140 mm	16 mm
J HT160	130 – 160 mm	16 mm
J HT180	150 – 180 mm	16 mm
J HT200	170 – 200 mm	16 mm
J HT220	190 – 220 mm	16 mm
J HT240	210 – 240 mm	16 mm
J HT260	230 – 260 mm	16 mm
J HT280	250 – 280 mm	16 mm
J HT300	270 – 300 mm	16 mm
J HT320	290 – 320 mm	16 mm
J HT340	310 – 340 mm	16 mm
J HT360	330 – 360 mm	16 mm
J HT380	350 – 380 mm	16 mm
J HT400	370 – 400 mm	16 mm
J HT420	390 – 420 mm	16 mm
J HT440	410 – 440 mm	16 mm
J HT460	430 – 460 mm	16 mm
J HT480	450 – 480 mm	16 mm
J HT500	470 – 500 mm	16 mm
J HT520	490 – 520 mm	16 mm

### FEATURES

Quality Assurance – Lloyd's Register Type Approval

### SPECIFICATIONS

Material	316 stainless steel
Fastening	8 mm A/F screw
Corrosion resistance*	1000 hours NSS test



4110



### 316 STAINLESS STEEL

PART NUMBER	CLAMPING RANGE	BAND WIDTH
J HT035SS316	20 – 35mm	15.7 mm
J HT040SS316	25 – 40mm	15.7 mm
J HT045SS316	25 – 45mm	15.7 mm
J HT050SS316	30 – 50mm	15.7 mm
J HT055SS316	35 – 55mm	15.7 mm
J HT060SS316	40 – 60mm	15.7 mm
J HT065SS316	45 – 65mm	15.7 mm
J HT070SS316	40 – 70mm	15.7 mm
J HT080SS316	60 – 80mm	15.7 mm
J HT095SS316	70 – 95mm	15.7 mm
J HT100SS316	80 – 100mm	15.7 mm
J HT120SS316	90 – 120mm	15.7 mm
J HT140SS316	110 – 140mm	15.7 mm
J HT160SS316	130 – 160mm	15.7 mm
J HT180SS316	150 – 180mm	15.7 mm
J HT200SS316	170 – 200mm	15.7 mm
J HT220SS316	190 – 220mm	15.7 mm
J HT240SS316	210 – 240mm	15.7 mm
J HT260SS316	230 – 260mm	15.7 mm
J HT280SS316	250 – 280mm	15.7 mm
J HT300SS316	270 – 300mm	15.7 mm
J HT320SS316	290 – 320mm	15.7 mm
J HT340SS316	310 – 340mm	15.7 mm
J HT360SS316	330 – 360mm	15.7 mm
J HT380SS316	350 – 380mm	15.7 mm
J HT400SS316	370 – 400mm	15.7 mm
J HT420SS316	390 – 420mm	15.7 mm
J HT440SS316	410 – 440mm	15.7 mm
J HT460SS316	430 – 460mm	15.7 mm
J HT480SS316	450 – 480mm	15.7 mm
J HT500SS316	470 – 500mm	15.7 mm
J HT520SS316	490 – 520mm	15.7 mm

## JUBILEE® WINGSPADE CLIP

### FEATURES

Based on Jubilee® light range clips & suitable for hand fitting. Jubilee Wingspade clips are supplied with a thumb screw, allowing easy torquing using just a thumb & forefinger. Suited to fittings that may need to be removed from time to time, such as dust extraction units or domestic hoses.

### SPECIFICATIONS

Material	Mild steel, zinc protected
Fastening	Wing screw
Corrosion resistance*	240 hours NSS test



4110

### MILD STEEL CLIP

PART NUMBER	CLAMPING RANGE
J WS012	9.5 – 12 mm
J WS016	11 – 16 mm
J WS020	13 – 20 mm
J WS022	12 – 22 mm
J WS027	16 – 27 mm
J WS032	20 – 32 mm
J WS040	25 – 40 mm
J WS045	30 – 45 mm

\* 240 hours is regarded by the British construction industry as the equivalent of a lifetime of 60 years in an urban outside environment in the UK

## FEATURES

Hi-Grip general purpose worm drive hose clips are widely respected for their quality, durability, & ability to withstand a great deal of abuse. They are manufactured to exceed BS5315, which has the highest requirements of any of the international standards & tests sealing ability, clamping force, & torque. Also has BSI Kitemark & NATO approval, & exceeds all operational requirements of the relevant DIN & SAE standards. Used for wide variety of domestic, automotive & industrial applications.

All Hi-Grip hose clips have fully rounded edges to give the best possible protection to the hose.

## SPECIFICATION

All parts: mild steel, bright zinc plated & passivated & tested to EN9227.



4175

## HI-GRIP ZINC PLATED WORM DRIVE HOSE CLIPS

PART NUMBER	CLAMPING RANGE
JCS-HGZ12RP	9.5 – 12 mm
JCS-HGZ16RP	11 – 16 mm
JCS-HGZ20RP	13 – 20 mm
JCS-HGZ22RP	14 – 22 mm
JCS-HGZ25RP	17 – 25 mm
JCS-HGZ30RP	22 – 30 mm
JCS-HGZ35RP	25 – 35 mm
JCS-HGZ40RP	30 – 40 mm
JCS-HGZ45RP	35 – 45 mm
JCS-HGZ50RP	35 – 50 mm
JCS-HGZ55RP	40 – 55 mm
JCS-HGZ60RP	45 – 60 mm
JCS-HGZ70RP	50 – 70 mm
JCS-HGZ80BP	60 – 80 mm
JCS-HGZ90BP	70 – 90 mm
JCS-HGZ100BP	80 – 100 mm
JCS-HGZ120BP	90 – 120 mm
JCS-HGZ140BP	110 – 140 mm
JCS-HGZ160BP	130 – 160 mm

## FEATURES

Specifically designed for frequently removed hoses, with dovetail locking & side lugs of the wing plate to ensure excellent sealing & longevity.

## SPECIFICATION

All parts: mild steel, bright zinc plated & passivated.



4175

## HI-GRIP ZINC PLATED WING SCREW HOSE CLIPS

PART NUMBER	CLAMPING RANGE
JCS-WSZC12BG	9.5 – 12 mm
JCS-WSZC16BG	11 – 16 mm
JCS-WSZC20BG	13 – 20 mm
JCS-WSZC22BG	14 – 22 mm
JCS-WSZC25BG	17 – 25 mm
JCS-WSZC30BG	22 – 30 mm
JCS-WSZC35BG	25 – 35 mm
JCS-WSZC40BG	30 – 40 mm
JCS-WSZC45BG	35 – 45 mm
JCS-WSZC50BG	35 – 50 mm
JCS-WSZC55BG	40 – 55 mm
JCS-WSZC60BG	45 – 60 mm
JCS-WSZC70BG	50 – 70 mm
JCS-WSZC80BG	60 – 80 mm
JCS-WSZC90BG	70 – 90 mm

## FEATURES

Hi-Torque heavy duty hose clamps are available in 304 stainless steel, specifically designed for use with tough, wire reinforced hoses that require higher sealing pressures. Used in every application where an adjustable hose clamp is required. Quicker to fit, with no loose parts & a larger adjustment range than any other heavy duty clamp.

## Unique Straight Line Housing

A unique 'straight line' housing ensures that every thread of the screw is fully engaged with the band. This special feature, together with a high tensile band & hardened rolled thread screw, means that Hi-Torque clamps have more than twice the strength of ordinary worm drive hose clips.

## SPECIFICATION

Recommended setting torque	15 Nm (130 lb.tn)
Band tensile strength	1150 N/mm <sup>2</sup> approx. (.75 tons/in <sup>2</sup> )
Material	All parts BS304 – EN 1.4301/1.4576



4175

## HI-TORQUE 304 S/S HOSE CLIPS

PART NUMBER	CLAMPING RANGE
JCS-HTM27P	20 – 27 mm
JCS-HTM30P	20 – 30 mm
JCS-HTM35P	20 – 35 mm
JCS-HTM40P	25 – 40 mm
JCS-HTM45P	25 – 45 mm
JCS-HTM50P	30 – 50 mm
JCS-HTM60P	40 – 60 mm
JCS-HTM65P	45 – 65 mm
JCS-HTM70P	50 – 70 mm
JCS-HTM80P	60 – 80 mm
JCS-HTM90P	70 – 90 mm
JCS-HTM95P	75 – 95 mm
JCS-HTM100P	80 – 100 mm
JCS-HTM115P	85 – 115 mm
JCS-HTM120P	90 – 120 mm
JCS-HTM140P	110 – 140 mm
JCS-HTM160P	130 – 160 mm
JCS-HTM180P	150 – 180 mm
JCS-HTM200P	170 – 200 mm



4175

## HI-GRIP ZINC PLATED 680 CLIPS IN CARTON SIZES 12 – 70 MM

PART NUMBER	DESCRIPTION
JCS-DISHGZW	Empty wall display unit
JCS-HGZCDFP	Hi-Grip zinc fill packs to suit

## HI-TORQUE T-BAR SCREWDRIVER FOR ALL HI-GRIP ZINC PLATED

PART NUMBER	FOR USE WITH
JCS-DHT3BG	Hi-Torque clamps & multi-torque adjustable banding



4175

## FLEXIBLE SHAFT SCREWDRIVER FOR ALL HI-GRIP HOSE CLIPS

PART NUMBER	FOR USE WITH
JCS-DHG2BG	Flexible shaft screwdriver



4175

## STANDARD PRESSURE CLIPS

### SPECIFICATIONS

Screw	6 strength grey white Cr3 zinc plated
Nut	6 strength white Cr3 zinc plated
Band	Aluzinc AC2 (Thickness 0.5 mm)



4165

### NORMAL MINI CLIPS ZINC PLATED MILD STEEL BAND

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M0301051-0	6 mm	8.4 mm
M0301052-8	8 mm	9.0 mm
M0301053-6	9 mm	10.0 mm
M0301054-4	9.5 – 10 mm	10.0 mm
M0301055-2	10 – 11 mm	10.0 mm
M0301056-0	12 – 13 mm	10.0 mm
M0301057-9	13 – 14 mm	10.0 mm
M0301058-7	14 – 15 mm	10.0 mm
M0301059-5	15 – 17 mm	10.0 mm
M0301060-8	16 – 18 mm	10.0 mm
M0301061-6	18 – 20 mm	10.0 mm
M0301062-4	19 – 21 mm	10.0 mm
M0301063-2	20 – 22 mm	10.0 mm
M0301064-0	22 – 25 mm	10.0 mm
M0301065-9	23 – 26 mm	10.0 mm
M0301066-7	25 – 28 mm	10.0 mm
M0301067-5	26 – 29 mm	10.0 mm
M0301068-3	29 – 32 mm	10.0 mm

## HIGH PRESSURE CLAMPS

### SPECIFICATIONS

T bolt	Steel QST 36-3 (DIN 1.0213)
Band & bridge	F111 white zinc plated mild steel
Washer & trunnion	Steel DIN 1.0333



4165

### SUPER W1 HOSE CLAMPS MILD STEEL BAND

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M0301826-3	17 – 19 mm	18 mm
M0301827-1	20 – 22 mm	18 mm
M0301828-0	23 – 25 mm	18 mm
M0301829-8	26 – 28 mm	18 mm
M0301830-0	29 – 31 mm	20 mm
M0301831-9	32 – 35 mm	20 mm
M0301832-7	36 – 39 mm	20 mm
M0301833-5	40 – 43 mm	20 mm
M0301801-0	44 – 47 mm	22 mm
M0301802-8	48 – 51 mm	22 mm
M0301803-6	52 – 55 mm	22 mm
M0301804-4	56 – 59 mm	22 mm
M0301805-2	60 – 63 mm	22 mm
M0301806-0	64 – 67 mm	22 mm
M0301807-9	68 – 73 mm	24 mm
M0301808-7	74 – 79 mm	24 mm
M0301809-5	80 – 85 mm	24 mm
M0301810-8	86 – 91 mm	24 mm
M0301811-6	92 – 97 mm	24 mm
M0301812-4	98 – 103 mm	24 mm
M0301813-2	104 – 112 mm	24 mm
M0301814-0	113 – 121 mm	24 mm
M0301815-9	122 – 130 mm	24 mm
M0301816-7	131 – 139 mm	26 mm
M0301817-5	140 – 148 mm	26 mm
M0301818-3	149 – 161 mm	26 mm
M0301819-1	162 – 174 mm	26 mm
M0301820-4	175 – 187 mm	26 mm
M0301821-2	188 – 200 mm	26 mm
M0301822-0	201 – 213 mm	26 mm
M0301823-9	214 – 226 mm	26 mm
M0301824-7	227 – 239 mm	26 mm
M0301825-5	240 – 252 mm	26 mm

### Do you also need?

### Tube, hose & ducting

- PVC tubing & hose
- Nylon tubing
- Nylon recoils
- Polyurethane tube
- Polyurethane recoils



Find it on pages 616 – 691, section ten

## REPAIR KITS



### MIKALOR REPAIR KIT

4195

PART NUMBER	DESCRIPTION
KIT-MIK	Assorted Mikalor clips

### MIKALOR REPAIR KIT CONTENTS

24 x M0301650-8	14 x M0301654-0
32 x M0301651-6	10 x M0301655-9
28 x M0301652-4	13 x M0301656-7
13 x M0301653-2	7 x M0301657-5

## HIGH PRESSURE

### SPECIFICATIONS – W2 CLAMPS

Band & bridge	X6Cr17 430 stainless steel (DIN 1.4016)
Nut	Steel, DC04/DC03
Bolt	19MnB4 1.5523 (EN-10269)



4165

### SUPRA W2 HOSE CLAMPS STAINLESS STEEL BAND

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M0301901-2	17 – 19 mm	18 mm
M0301902-0	19 – 21 mm	18 mm
M0301903-9	21 – 23 mm	18 mm
M0301904-7	23 – 25 mm	18 mm
M0301905-5	25 – 27 mm	18 mm
M0301906-3	27 – 29 mm	18 mm
M0301907-1	29 – 31 mm	20 mm
M0301908-0	31 – 34 mm	20 mm
M0301909-8	34 – 37 mm	20 mm
M0301910-0	37 – 40 mm	20 mm
M0301911-9	40 – 43 mm	20 mm
M0301912-7	43 – 47 mm	20 mm
M0301913-5	47 – 51 mm	20 mm
M0301914-3	51 – 55 mm	20 mm
M0301915-1	55 – 59 mm	20 mm
M0301916-0	59 – 63 mm	20 mm
M0301917-8	63 – 68 mm	20 mm
M0301918-6	68 – 73 mm	25 mm
M0301919-4	73 – 79 mm	25 mm
M0301920-7	79 – 85 mm	25 mm
M0301921-5	85 – 91 mm	25 mm
M0301922-3	91 – 97 mm	25 mm
M0301923-1	97 – 104 mm	25 mm
M0301924-0	104 – 112 mm	25 mm
M0301925-8	112 – 121 mm	25 mm
M0301926-6	121 – 130 mm	25 mm
M0301927-4	130 – 140 mm	28 mm
M0301928-2	140 – 150 mm	28 mm
M0301929-0	150 – 162 mm	28 mm
M0301930-3	162 – 174 mm	28 mm
M0301931-1	174 – 187 mm	28 mm
M0301932-0	187 – 200 mm	28 mm
M0301933-8	200 – 213 mm	28 mm
M0301934-6	213 – 226 mm	28 mm
M0301935-4	226 – 239 mm	28 mm
M0301936-2	239 – 252 mm	28 mm
M03019370	252 – 265 mm	28 mm
M03019477	265 – 278 mm	28 mm
M03019392	278 – 291 mm	28 mm
M03019403	291 – 304 mm	28 mm
M03019411	304 – 317 mm	28 mm
M03019485	317 – 330 mm	28 mm
M03019422	330 – 343 mm	28 mm
M03019433	343 – 356 mm	28 mm
M03019444	356 – 369 mm	28 mm
M03019455	369 – 382 mm	28 mm
M03019499	382 – 395 mm	28 mm
M03019500	395 – 408 mm	28 mm

### SPECIFICATIONS – W4 CLAMPS

Band, bridge & nut	X5CrNi 1810 304 stainless steel (DIN 1.4301)
Bolt	304 CU stainless steel



4165

### SUPRA W4 HOSE CLAMPS ALL STAINLESS STEEL

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M0301301-6	17 – 19 mm	18 mm
M0301302-4	19 – 21 mm	18 mm
M0301303-2	21 – 23 mm	18 mm
M0301304-0	23 – 25 mm	18 mm
M0301305-9	25 – 27 mm	18 mm
M0301306-7	27 – 29 mm	18 mm
M0301307-5	29 – 31 mm	20 mm
M0301308-3	31 – 34 mm	20 mm
M0301309-1	34 – 37 mm	20 mm
M0301310-4	37 – 40 mm	20 mm
M0301311-2	40 – 43 mm	20 mm
M0301312-0	43 – 47 mm	20 mm
M0301313-9	47 – 51 mm	20 mm
M0301314-7	51 – 55 mm	20 mm
M0301315-5	55 – 59 mm	20 mm
M0301316-3	59 – 63 mm	20 mm
M0301317-1	63 – 68 mm	20 mm
M0301318-0	68 – 73 mm	25 mm
M0301319-8	73 – 79 mm	25 mm
M0301320-0	79 – 85 mm	25 mm
M0301321-9	85 – 91 mm	25 mm
M0301322-7	91 – 97 mm	25 mm
M0301323-5	97 – 104 mm	25 mm
M0301324-3	104 – 112 mm	25 mm
M0301325-1	112 – 121 mm	25 mm
M0301326-0	121 – 130 mm	25 mm
M0301327-8	130 – 140 mm	28 mm
M0301328-6	140 – 150 mm	28 mm
M0301329-4	150 – 162 mm	28 mm
M0301330-7	162 – 174 mm	28 mm
M0301331-5	174 – 187 mm	28 mm
M0301332-3	187 – 200 mm	28 mm
M0301333-1	200 – 213 mm	28 mm
M0301334-0	213 – 226 mm	28 mm
M0301335-8	226 – 239 mm	28 mm
M0301336-6	239 – 252 mm	28 mm
M03013374	252 – 265 mm	28 mm
M03013390	265 – 278 mm	28 mm
M03013422	278 – 291 mm	28 mm
M03013433	291 – 304 mm	28 mm
M03013444	304 – 317 mm	28 mm
M03013403	317 – 330 mm	28 mm
M03013455	330 – 343 mm	28 mm
M03013466	343 – 356 mm	28 mm
M03013477	356 – 369 mm	28 mm
M03013488	369 – 382 mm	28 mm
M03013499	382 – 395 mm	28 mm
M03013500	395 – 408 mm	28 mm

## JUBILEE® SUPERCLAMP

### FEATURES

Quality Assurance – DIN 3017

### SPECIFICATIONS

Material	Mild steel, zinc plated
Fastening	8 – 13 mm A/F bolt
Corrosion resistance*	168 hours NSS test



4110

### FEATURES

Quality Assurance – DIN 3017

### SPECIFICATIONS

Material	304 stainless steel
Fastening	8 – 13 mm A/F bolt
Corrosion resistance*	1000 hours NSS test



4110

### MILD STEEL, ZINC PLATED

PART NUMBER	CLAMPING RANGE	BAND WIDTH
JSC019MS	17 – 19 mm	18 mm
JSC022MS	20 – 22 mm	18 mm
JSC025MS	23 – 25 mm	18 mm
JSC028MS	26 – 28 mm	18 mm
JSC031MS	29 – 31 mm	18 mm
JSC035MS	32 – 35 mm	20 mm
JSC039MS	36 – 39 mm	20 mm
JSC043MS	40 – 43 mm	20 mm
JSC047MS	44 – 47 mm	20 mm
JSC051MS	48 – 51 mm	20 mm
JSC055MS	52 – 55 mm	20 mm
JSC059MS	56 – 59 mm	20 mm
JSC063MS	60 – 63 mm	20 mm
JSC067MS	64 – 67 mm	25 mm
JSC073MS	68 – 73 mm	25 mm
JSC079MS	74 – 79 mm	25 mm
JSC085MS	80 – 85 mm	25 mm
JSC091MS	86 – 91 mm	25 mm
JSC097MS	92 – 97 mm	25 mm
JSC103MS	98 – 103 mm	25 mm
JSC112MS	104 – 112 mm	25 mm
JSC121MS	113 – 121 mm	25 mm
JSC130MS	122 – 130 mm	25 mm
JSC139MS	131 – 139 mm	25 mm
JSC148MS	140 – 148 mm	25 mm
JSC161MS	149 – 161 mm	25 mm
JSC174MS	162 – 174 mm	25 mm
JSC187MS	175 – 187 mm	25 mm
JSC200MS	188 – 200 mm	25 mm
JSC213MS	201 – 213 mm	25 mm
JSC226MS	214 – 226 mm	25 mm
JSC239MS	227 – 239 mm	25 mm
JSC255MS	240 – 255 mm	25 mm

### 304 STAINLESS STEEL

PART NUMBER	CLAMPING RANGE	BAND WIDTH
JSC019SS	17 – 19 mm	18 mm
JSC022SS	20 – 22 mm	18 mm
JSC025SS	23 – 25 mm	18 mm
JSC028SS	26 – 28 mm	18 mm
JSC031SS	29 – 31 mm	18 mm
JSC035SS	32 – 35 mm	20 mm
JSC039SS	36 – 39 mm	20 mm
JSC043SS	40 – 43 mm	20 mm
JSC047SS	44 – 47 mm	20 mm
JSC051SS	48 – 51 mm	20 mm
JSC055SS	52 – 55 mm	20 mm
JSC059SS	56 – 59 mm	20 mm
JSC063SS	60 – 63 mm	20 mm
JSC067SS	64 – 67 mm	25 mm
JSC073SS	68 – 73 mm	25 mm
JSC079SS	74 – 79 mm	25 mm
JSC085SS	80 – 85 mm	25 mm
JSC091SS	86 – 91 mm	25 mm
JSC097SS	92 – 97 mm	25 mm
JSC103SS	98 – 103 mm	25 mm
JSC112SS	104 – 112 mm	25 mm
JSC121SS	113 – 121 mm	25 mm
JSC130SS	122 – 130 mm	25 mm
JSC139SS	131 – 139 mm	25 mm
JSC148SS	140 – 148 mm	25 mm
JSC161SS	149 – 161 mm	25 mm
JSC174SS	162 – 174 mm	25 mm
JSC187SS	175 – 187 mm	25 mm
JSC200SS	188 – 200 mm	25 mm
JSC213SS	201 – 213 mm	25 mm
JSC226SS	214 – 226 mm	25 mm
JSC239SS	227 – 239 mm	25 mm
JSC255SS	240 – 255 mm	25 mm

\* 240 hours is regarded by the British construction industry as the equivalent of a lifetime of 60 years in an urban outside environment in the UK

## JUBILEE® DRIVERS

### CLIPDRIVER 7 MM A/F SOCKET RIGID SHAFT



4110

PART NUMBER	DESCRIPTION
J CD95	95 mm hexagonal clip driver

### FLEXDRIVER 7 MM A/F SOCKET FLEXIBLE SHAFT



4110

PART NUMBER	DESCRIPTION
J FLEXDRIVE	For use with Jubilee® clips

## JUBILEE® SUPERCLAMP

### FEATURES

Quality Assurance – DIN 3017

### SPECIFICATIONS

Material	316 stainless steel (HNSS)
Fastening	8 – 13 mm A/F bolt
Corrosion resistance*	2000 hours NSS test



4110

### 316 STAINLESS STEEL

PART NUMBER	CLAMPING RANGE	BAND WIDTH
JSC019SS316	17 – 19 mm	18 mm
JSC022SS316	20 – 22 mm	18 mm
JSC025SS316	23 – 25 mm	18 mm
JSC028SS316	26 – 28 mm	18 mm
JSC031SS316	29 – 31 mm	18 mm
JSC035SS316	32 – 35 mm	20 mm
JSC039SS316	36 – 39 mm	20 mm
JSC043SS316	40 – 43 mm	20 mm
JSC047SS316	44 – 47 mm	20 mm
JSC051SS316	48 – 51 mm	20 mm
JSC055SS316	52 – 55 mm	20 mm
JSC059SS316	56 – 59 mm	20 mm
JSC063SS316	60 – 63 mm	20 mm
JSC067SS316	64 – 67 mm	25 mm
JSC073SS316	68 – 73 mm	25 mm
JSC079SS316	74 – 79 mm	25 mm
JSC085SS316	80 – 85 mm	25 mm
JSC091SS316	86 – 91 mm	25 mm
JSC097SS316	92 – 97 mm	25 mm
JSC103SS316	98 – 103 mm	25 mm
JSC112SS316	104 – 112 mm	25 mm
JSC121SS316	113 – 121 mm	25 mm
JSC130SS316	122 – 130 mm	25 mm
JSC139SS316	131 – 139 mm	25 mm
JSC148SS316	140 – 148 mm	25 mm
JSC161SS316	149 – 161 mm	25 mm
JSC174SS316	162 – 174 mm	25 mm
JSC187SS316	175 – 187 mm	25 mm
JSC200SS316	188 – 200 mm	25 mm
JSC213SS316	201 – 213 mm	25 mm
JSC226SS316	214 – 226 mm	25 mm
JSC239SS316	227 – 239 mm	25 mm
JSC255SS316	240 – 255 mm	25 mm

## JUBILEE® JUNIOR CLAMPS

### FEATURES

- Ideal for small bore hoses with relatively low pressures
- Used in low pressure applications such as fuel lines

### SPECIFICATIONS

Material	Mild steel, zinc plated
Fastening	7 mm A/F screw
Corrosion resistance*	72 hours NSS Test



4110

### MILD STEEL, ZINC PLATED

PART NUMBER	CLAMPING RANGE	BAND WIDTH
<b>J NB0709MS</b>	7 – 9 mm	9.1 mm
<b>J NB0810MS</b>	8 – 10 mm	9.1 mm
<b>J NB0911MS</b>	9 – 11 mm	9.1 mm
<b>J NB1012MS</b>	10 – 12 mm	9.1 mm
<b>J NB1113MS</b>	11 – 13 mm	9.1 mm
<b>J NB1214MS</b>	12 – 14 mm	9.1 mm
<b>J NB1315MS</b>	13 – 15 mm	9.1 mm
<b>J NB1416MS</b>	14 – 16 mm	9.1 mm
<b>J NB1517MS</b>	15 – 17 mm	9.1 mm
<b>J NB1618MS</b>	16 – 18 mm	9.1 mm
<b>J NB1820MS</b>	18 – 20 mm	9.1 mm

### FEATURES

- Ideal for small bore hoses with relatively low pressures
- Used in low pressure applications such as fuel lines

### SPECIFICATIONS

Material	304 stainless steel
Fastening	7 mm A/F screw
Corrosion resistance*	1000 hours NSS Test



4110

### 304 STAINLESS STEEL

PART NUMBER	CLAMPING RANGE	BAND WIDTH
<b>J NB0709SS</b>	7 – 9 mm	9.1 mm
<b>J NB0810SS</b>	8 – 10 mm	9.1 mm
<b>J NB0911SS</b>	9 – 11 mm	9.1 mm
<b>J NB1012SS</b>	10 – 12 mm	9.1 mm
<b>J NB1113SS</b>	11 – 13 mm	9.1 mm
<b>J NB1214SS</b>	12 – 14 mm	9.1 mm
<b>J NB1315SS</b>	13 – 15 mm	9.1 mm
<b>J NB1416SS</b>	14 – 16 mm	9.1 mm

\* 240 hours is regarded by the British construction industry as the equivalent of a lifetime of 60 years in an urban outside environment in the UK





## HOSE CLIPS

unex®

### FEATURES

- UNEX clips will seal at high pressures
- Durable & rust proof
- Hose life often improved due to low friction inner band
- Ideal for use with soft tubing

### SPECIFICATIONS

Band	304 stainless steel
Screw & bush	Brass
Standard H hexagon cap	304 stainless steel



### SCREWDRIVER

FOR USE WITH 'D' TYPE UNEX CLIPS

4185

PART NUMBER	DESCRIPTION
UNEX/D	Screw slot head



4185

### UNEX CLIPS

'D' TYPE

PART NUMBER	CLAMPING RANGE
UNI-10-D	7.4 – 10 mm
UNI-12-D	9.0 – 12 mm
UNI-14-D	9.6 – 14 mm
UNI-17-D	12.2 – 17 mm
UNI-19-D	14.0 – 19 mm
UNI-21-D	15.5 – 21 mm
UNI-22-D	17.3 – 22 mm
UNI-25-D	19.8 – 25 mm
UNI-27-D	21.8 – 27 mm
UNI-30-D	25.0 – 30 mm



4185

### UNEX CLIPS

'H' TYPE

PART NUMBER	CLAMPING RANGE
UNI-10-H	7.4 – 10 mm
UNI-12-H	9.0 – 12 mm
UNI-14-H	9.6 – 14 mm
UNI-17-H	12.2 – 17 mm
UNI-19-H	14.0 – 19 mm
UNI-21-H	15.5 – 21 mm
UNI-22-H	17.3 – 22 mm
UNI-25-H	19.8 – 25 mm
UNI-27-H	21.8 – 27 mm

## FLEXIBAND



### SPECIFICATIONS

Material	304 stainless steel
Fastening	Bend arm on buckle & tension band using Jubilee Flexband tool
Corrosion Resistance*	1000 hours NSS test



4110

### FLEXIBAND BANDING

STAINLESS STEEL

PART NUMBER	DESCRIPTION
J FB09B	9 mm
J FB13B	13 mm
J FB16B	16 mm
J FB19B	19 mm

### FLEXIBAND BUCKLES

STAINLESS STEEL

PRICE PER BUCKLE

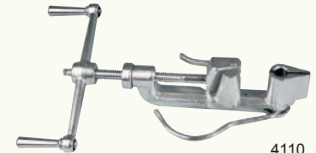


4110

PART NUMBER	DESCRIPTION
J FB09H	9 mm
J FB13H	13 mm
J FB16H	16 mm
J FB19H	19 mm

### FLEXIBAND TOOL

STEEL



4110

PART NUMBER	DESCRIPTION
J FBT	Flexiband tool



DESCRIPTION

- High quality 201 stainless steel BAND-IT® band & buckles
- Good resistance to oxidation & moderate corrosive agents
- EASY SCALE – Patented imprint on the band to quickly determine band length without waste



4155

BAND-IT ROLL  
30.5 M COILS

PART NUMBER	BAND WIDTH	BREAK STRENGTH
BA-C202	1/4" / 6.4 mm	500 lb
BA-C203	3/8" / 9.6 mm	900 lb
BA-C204	1/2" / 12.7 mm	1500 lb
BA-C205	5/8" / 15.9 mm	1875 lb
BA-C206	3/4" / 19.1 mm	2250 lb

VALU-STRAP™



4155

PART NUMBER	BAND WIDTH	BREAK STRENGTH
BA-C13399	3/8" / 9.6 mm	450 lb
BA-C13499	1/2" / 12.7 mm	600 lb
BA-C13599	5/8" / 15.9 mm	750 lb
BA-C13699	3/4" / 19.1 mm	900 lb

BAND-IT BUCKLES

PACK QTY – 100 / BOX  
SUPPLIED SINGULARLY



4155

PART NUMBER	WIDTH
BA-C252	1/4" / 6.4 mm
BA-C253	3/8" / 9.6 mm
BA-C254	1/2" / 12.7 mm
BA-C255	5/8" / 15.9 mm
BA-C256	3/4" / 19.1 mm

VALUCLIP

PACK QTY – 100 / BOX  
SUPPLIED SINGULARLY



4155

PART NUMBER	WIDTH
BA-C15399	3/8" / 9.6 mm
BA-C15499	1/2" / 12.7 mm
BA-C15599	5/8" / 15.9 mm
BA-C15699	3/4" / 19.1 mm



4155

BAND-IT ROLL & DISPENSER  
30.5 M COILS

PART NUMBER	BAND WIDTH	BREAK STRENGTH
BA-C203Y	3/8" / 9.53 mm	900 lb
BA-C204B	1/2" / 12.70 mm	1500 lb
BA-C205G	5/8" / 15.88 mm	1875 lb
BA-C206R	3/4" / 19.05 mm	2250 lb

BAND-IT TOOL  
FOR BAND & BUCKLE



4155

PART NUMBER	DESCRIPTION
BA-C001	Use with bands up to 3/4"

HEAVY DUTY BAND-IT TOOL  
FOR BAND-IT BAND  
& BUCKLE



4155

PART NUMBER	DESCRIPTION
BA-C003	Use with bands up to 3/4"

POK-IT TOOL  
BUILT IN CUTTER



4155

PART NUMBER	DESCRIPTION
BA-J020	Use with 1/4" or 3/8" bands

SCRUI-SEAL CLAMPING SYSTEM

DESCRIPTION

- A rack & pinion system used with band to create any size clamp
- Separately packaged rack & housing & band for flexibility



SCRUI-SEAL RACK & HOUSING

4155

PART NUMBER	DESCRIPTION
BA-M211	10 Scru-Seal racks & 10 housings

## JR. SMOOTH

### DESCRIPTION

- High quality 201 stainless steel
- Vibration resistant
- Gap free internal design to prevent leaks especially on thinner hoses



4155



4155

### BAND-IT JR. SMOOTH ID CLAMPS 3/8" / 9.5 MM BAND WIDTH

PART NUMBER	CLAMP ID	METRIC EQ.
BA-JS201	13/16"	20.6 mm
BA-JS243	1"	25.4 mm
BA-JS202	1 3/8"	34.9 mm
BA-JS245	2"	50.8 mm
BA-JS221	2 1/2"	63.5 mm
BA-JS246	3"	76.2 mm
BA-JS255	3 1/2"	88.9 mm
BA-JS248	4"	101.6 mm

### BAND-IT JR. SMOOTH ID CLAMPS 5/8" / 15.9 MM BAND WIDTH

PART NUMBER	CLAMP ID	METRIC EQ.
BA-JS205	1 1/2"	38.1 mm
BA-JS206	1 3/4"	44.5 mm
BA-JS207	2"	50.8 mm
BA-JS208	2 1/4"	57.2 mm
BA-JS209	2 1/2"	63.5 mm

### 1/2" / 12.7 MM BAND WIDTH

BA-JS203	1"	25.4 mm
BA-JS204	1 1/4"	31.8 mm
BA-JS231	1 1/2"	38.1 mm
BA-JS236	1 3/4"	44.5 mm
BA-JS237	2"	50.8 mm
BA-JS233	2 1/2"	63.5 mm
BA-JS230	2 3/4"	69.9 mm
BA-JS234	3"	76.2 mm
BA-JS247	3 1/2"	88.9 mm
BA-JS249	4"	101.6 mm

### 3/4" / 19.1 MM BAND WIDTH

BA-JS210	2 3/4"	69.9 mm
BA-JS211	3"	76.2 mm
BA-JS212	3 1/2"	88.9 mm
BA-JS213	4"	101.6 mm
BA-JS214	4 1/2"	114.0 mm
BA-JS215	5"	127.0 mm

## JUNIOR® SMOOTH TOOLS



4155

### JUNIOR FOR BAND-IT CLAMPS

PART NUMBER	DESCRIPTION
BA-C002	Use with bands up to 3/4"



4155

### HEAVY DUTY JUNIOR ADAPTOR TOOL MUST BE USED WITH BA-C001 OR BA-C003

PART NUMBER	DESCRIPTION
BA-J050	Use with bands up to 3/4"



4155

### JUNIOR ADAPTOR TOOL MUST BE USED WITH BA-C001

PART NUMBER	DESCRIPTION
BA-J001	Use with bands up to 3/4"

### Do you also need?

**MIKALOR**



**W1 & W4 P Clip Assortment Boxes**

Please contact your distributor for further information

**MILD STEEL P CLIP DESCRIPTION**

Their rubber lining allows firm & safe clamping in the application zone & prevents potential damage due to vibration. The steel reinforced screw holes at either end ensure they clamp down firmly. P clips are particularly recommended for mounting pipes, electric cable ducting & hoses in a multitude of different applications.

**SPECIFICATIONS**

Band	Mild steel, reinforced screw holes (DIN 3016)
Finish	Galvanised & lined with EPDM rubber

**STAINLESS STEEL P CLIP DESCRIPTION**

Their rubber lining allows firm & safe clamping in the application zone & prevents potential damage due to vibration. The steel reinforced screw holes at either end ensure they clamp down firmly. P clips are particularly recommended for mounting pipes, electric cable ducting & hoses in a multitude of different applications. Manufactured entirely from 304 stainless steel material, it is ideal for marine applications.

**SPECIFICATIONS**

Band	304 stainless steel, reinforced screw holes (DIN 3016)
Finish	Lined with EPDM rubber



**MILD STEEL W1 CLIPS  
M5 METRIC SCREW**



4180

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M03003856	5 mm	12 mm
M03003864	6 mm	12 mm
M03003880	8 mm	12 mm
M03003901	10 mm	12 mm
M03003928	12 mm	12 mm
M03003936	13 mm	12 mm
M03003944	14 mm	12 mm
M03003952	15 mm	12 mm
M03003960	16 mm	12 mm
M03003979	17 mm	12 mm
M03003987	18 mm	12 mm
M03003995	19 mm	12 mm
M03004007	20 mm	12 mm
M03004015	21 mm	12 mm
M03004023	22 mm	12 mm
M03004031	23 mm	12 mm
M03004040	24 mm	12 mm
M03004058	25 mm	12 mm
M03004066	26 mm	12 mm
M03004074	27 mm	12 mm
M03004082	28 mm	12 mm

**M6 METRIC SCREW**

M03004664	6 mm	15 mm
M03004680	8 mm	15 mm
M03004701	10 mm	15 mm
M03004728	12 mm	15 mm
M03004736	13 mm	15 mm
M03004744	14 mm	15 mm
M03004752	15 mm	15 mm
M03004760	16 mm	15 mm
M03004779	17 mm	15 mm
M03004787	18 mm	15 mm
M03004795	19 mm	15 mm
M03004808	20 mm	15 mm
M03004816	21 mm	15 mm
M03004824	22 mm	15 mm
M03004832	23 mm	15 mm
M03004859	25 mm	15 mm
M03004867	26 mm	15 mm
M03004883	28 mm	15 mm
M03004904	30 mm	15 mm
M03004920	32 mm	15 mm
M03004947	34 mm	15 mm
M03004955	35 mm	15 mm
M03004162	36 mm	15 mm
M03004971	37 mm	15 mm
M03004980	38 mm	15 mm
M03005000	40 mm	15 mm



**STAINLESS STEEL W4 CLIPS  
M5 METRIC SCREW**



4180

PART NUMBER	CLAMPING RANGE	BAND WIDTH
M43003859	5 mm	12 mm
M43003867	6 mm	12 mm
M43003883	8 mm	12 mm
M43003904	10 mm	12 mm
M43003920	12 mm	12 mm
M43003939	13 mm	12 mm
M43003947	14 mm	12 mm
M43003955	15 mm	12 mm
M43003963	16 mm	12 mm
M43003971	17 mm	12 mm
M43003980	18 mm	12 mm
M43003998	19 mm	12 mm
M43004000	20 mm	12 mm
M43004018	21 mm	12 mm
M43004026	22 mm	12 mm
M43004034	23 mm	12 mm
M43004042	24 mm	12 mm
M43004050	25 mm	12 mm
M43004069	26 mm	12 mm
M43004077	27 mm	12 mm
M43004085	28 mm	12 mm

**M6 METRIC SCREW**

M43004667	6 mm	15 mm
M43004683	8 mm	15 mm
M43004704	10 mm	15 mm
M43004720	12 mm	15 mm
M43004739	13 mm	15 mm
M43004747	14 mm	15 mm
M43004755	15 mm	15 mm
M43004763	16 mm	15 mm
M43004771	17 mm	15 mm
M43004780	18 mm	15 mm
M43004798	19 mm	15 mm
M43004800	20 mm	15 mm
M43004819	21 mm	15 mm
M43004827	22 mm	15 mm
M43004835	23 mm	15 mm
M43004851	25 mm	15 mm
M43004860	26 mm	15 mm
M43004886	28 mm	15 mm
M43004907	30 mm	15 mm
M43004923	32 mm	15 mm
M43004940	34 mm	15 mm
M43004958	35 mm	15 mm
M43004966	36 mm	15 mm
M43004974	37 mm	15 mm
M43004982	38 mm	15 mm
M43005002	40 mm	15 mm

### BREEZE HI-TORQUE CLIPS

- Hi-Torque heavy duty clamps with liner
- (W4) 304 stainless steel band



4130

### BREEZE HI-TORQUE 304 STAINLESS STEEL CLAMPS PRICE PER CLAMP

PART NUMBER	CLAMPING RANGE	BAND WIDTH
N-HTM175LB	25 – 45 mm	16 mm
N-HTM200LB	32 – 54 mm	16 mm
N-HTM250LB	45 – 67 mm	16 mm
N-HTM300LB	57 – 79 mm	16 mm
N-HTM350LB	70 – 92 mm	16 mm
N-HTM400LB	83 – 105 mm	16 mm
N-HTM450LB	95 – 118 mm	16 mm
N-HTM500LB	108 – 130 mm	16 mm
N-HTM550LB	121 – 143 mm	16 mm
N-HTM600LB	133 – 156 mm	16 mm
N-HTM650LB	146 – 168 mm	16 mm
N-HTM700LB	159 – 181 mm	16 mm

### P CLIP FEATURES

- In accordance with DIN3016
- Zinc plated steel with EPDM sleeve



4130

### PIPE RETAINING CLIPS PRICE PER CLIP

PART NUMBER	BAND WIDTH	TUBE OD
N-RSGU-1/06	15 mm	6 mm
N-RSGU-1/08	15 mm	8 mm
N-RSGU-1/10	15 mm	10 mm
N-RSGU-1/12	15 mm	12 mm
N-RSGU-1/14	15 mm	14 mm
N-RSGU-1/16	15 mm	16 mm
N-RSGU-1/18	15 mm	18 mm
N-RSGU-1/20	15 mm	20 mm
N-RSGU-1/22	15 mm	22 mm
N-RSGU-1/25	15 mm	25 mm
N-RSGU-1/28	15 mm	28 mm
N-RSGU-1/30	15 mm	30 mm
N-RSGU-1/32	15 mm	32 mm
N-RSGU-1/35	15 mm	35 mm

### COBRA FEATURES

- One piece hose clips
- Low profile



4130

### COBRA EASY FIT STAINLESS STEEL CLIPS 10 PACK QUANTITY PRICE PER CLIP

PART NUMBER	CLAMPING RANGE	BAND WIDTH
N-COB07.5	8.0 – 9.0 mm	7 mm
N-COB08.0	8.5 – 9.5 mm	7 mm
N-COB08.5	9.0 – 10.0 mm	7 mm
N-COB09.0	9.5 – 10.5 mm	7 mm
N-COB09.5	10.0 – 11.0 mm	7 mm
N-COB10.0	10.5 – 11.5 mm	7 mm
N-COB10.5	11.0 – 12.0 mm	7 mm
N-COB11.0	11.5 – 12.5 mm	7 mm
N-COB11.5	12.0 – 13.0 mm	7 mm
N-COB12	12.5 – 14.0 mm	8 mm
N-COB13	13.5 – 15.0 mm	8 mm
N-COB14	14.5 – 16.0 mm	8 mm
N-COB15	15.5 – 17.0 mm	8 mm
N-COB16	16.5 – 18.0 mm	8 mm
N-COB17	17.5 – 19.0 mm	8 mm
N-COB18	18.5 – 20.0 mm	8 mm
N-COB19	19.5 – 21.0 mm	8 mm

### SNP FEATURES

- Resistant to most chemicals, particularly oils, petrol & alkalis
- Excellent electrical insulation
- Tooling available



4130

### BLACK ACETAL CLIPS PRICE PER CLIP

PART NUMBER	CLAMPING RANGE
N-HERBIE/A	5.6 – 6.5 mm
N-HERBIE/B	7.9 – 9.2 mm
N-HERBIE/BB	9.2 – 10.3 mm
N-HERBIE/C	10.2 – 11.8 mm
N-HERBIE/CC	11.1 – 12.9 mm
N-HERBIE/D	12.0 – 13.8 mm
N-HERBIE/E	13.1 – 15.1 mm
N-HERBIE/F	15.0 – 17.1 mm
N-HERBIE/G	16.9 – 19.1 mm
N-HERBIE/H	18.1 – 20.6 mm
N-HERBIE/J	22.2 – 24.9 mm
N-HERBIE/K	23.1 – 26.1 mm
N-HERBIE/L	24.5 – 27.6 mm
N-HERBIE/M	26.5 – 29.5 mm
N-HERBIE/N	28.8 – 32.3 mm



4130

### ACCESSORIES FOR USE WITH COBRA CLIPS

PART NUMBER	DESCRIPTION
N-COBRA-HT	Tightening tool

**BRASS RINGS, BRACKETS & ACCESSORIES**
**BRASS SCREW BRACKET**


PART NUMBER	TUBE OD
AL-BSB-15	15 mm
AL-BSB-22	22 mm
AL-BSB-28	28 mm
AL-BSB-35	35 mm
AL-BSB-42	42 mm
AL-BSB-54	54 mm

**BRASS SINGLE RING BRACKET M10**


PART NUMBER	TUBE OD	THREAD
AL-BSPR-15	15 mm	M10
AL-BSPR-22	22 mm	M10
AL-BSPR-28	28 mm	M10
AL-BSPR-35	35 mm	M10
AL-BSPR-42	42 mm	M10
AL-BSPR-54	54 mm	M10

**BRASS FERRULES FOR AIR FOR MEDIUM WEIGHT HOSE**


PART NUMBER	FERRULE ID	D2	LENGTH
GWBFM562	14.0 mm	11.0 mm	1" / 25.4 mm
GWBFM593	15.0 mm	11.0 mm	1" / 25.4 mm
GWBFM625	15.8 mm	11.0 mm	1" / 25.4 mm
GWBFM656	16.6 mm	11.0 mm	1" / 25.4 mm
GWBFM687	17.4 mm	12.7 mm	1" / 25.4 mm
GWBFM718	18.2 mm	16.0 mm	1" / 25.4 mm
GWBFM750	19.0 mm	16.0 mm	1" / 25.4 mm
GWBFM750B	19.0 mm	12.7 mm	1" / 25.4 mm
GWBFM781	19.8 mm	16.0 mm	1" / 25.4 mm
GWBFM781B	19.8 mm	12.7 mm	1" / 25.4 mm

**FOR LIGHTWEIGHT HOSE**

GWBFL410	10.4 mm	6.7 mm	1/2" / 12.7 mm
GWBFL500	12.7 mm	8.7 mm	1/2" / 12.7 mm
GWBFL525	13.3 mm	8.7 mm	1/2" / 12.7 mm
GWBFL600	15.2 mm	12.7 mm	1/2" / 12.7 mm

**BRASS FERRULES FOR FLUID FOR MEDIUM WEIGHT HOSE**


PART NUMBER	FERRULE ID	D2	LENGTH
GWBF850	21.6 mm	15.9 mm	14.4 mm
GWBFW875	22.2 mm	17.5 mm	21.4 mm
GWBFW900	22.9 mm	17.5 mm	21.4 mm
GWBFMW1275	32.4 mm	25.4 mm	22.2 mm

**BRASS COMPRESSION RINGS**


PART NUMBER	ID	OD	WIDTH
FCR 12X15	12.00 mm	15.0 mm	12.7 mm
FCR 1/4R2A	17.80 mm	20.9 mm	11.2 mm
FCR 3/81WB	21.26 mm	24.4 mm	11.2 mm
FCR 3/82WB	22.78 mm	26.0 mm	11.3 mm
FBR 75/85	19.66 mm	22.8 mm	11.3 mm
FCR 1/21WB	25.78 mm	29.0 mm	11.2 mm
FCR 1/2R1A	23.65 mm	26.8 mm	11.4 mm
FCR 5/82WB	30.48 mm	33.5 mm	11.2 mm
FCR 3/41WB	32.76 mm	35.8 mm	11.5 mm
FCR 7/8R2A	35.56 mm	38.7 mm	11.2 mm
FCR 1R1A	38.86 mm	42.2 mm	11.2 mm

**BRASS BASE PLATE FEMALE**


PART NUMBER	THREAD
AL-BBPFM10	M10

**BRASS BASE PLATE MALE**


PART NUMBER	THREAD
AL-BBPM10	M10

**MALLEABLE CLAMPS**
**TWO BOLT SADDLE CLAMPS MALLEABLE IRON**


PART NUMBER	HOSE OD
AI-TSC25	17 – 22 mm
AI-TSC31	22 – 29 mm
AI-TSC34	27 – 32 mm
AI-TSC37	32 – 37 mm
AI-TSC1305	39 – 49 mm
AI-TSC1306	48 – 60 mm
AI-TSC1307	60 – 76 mm
AI-TSC1308	77 – 94 mm
AI-TSC1309	94 – 115 mm

**AIR KING CLAMPS PLATED MALLEABLE IRON**


PART NUMBER	HOSE OD	WIDTH
AI-AKCD	17.9 – 22.20 mm	3/8"
AI-AKA4	12.7 – 25.72 mm	1/2"
AI-AKA9	28.2 – 32.92 mm	3/4"
AI-AKA10	32.9 – 37.70 mm	7/8"
AI-AKA14	37.7 – 45.60 mm	1"

## HOSE CLAMPS

### SPECIFICATIONS

Max. working pressure	PN16 25 bar (363 psi)
Material	Malleable iron

### TWO PART HOSE CLAMPS WITH LOOSE SADDLES & SAFETY CLAWS



906

PART NUMBER	HOSE ID	HOSE OD
SK 29	1/2" / 13 mm	22 – 29 mm
SK 34	3/4" / 19 mm	28 – 32 mm
SK 39	1" / 25 mm	35 – 42 mm
SK 44	1 7/64" / 28 mm	42 – 45 mm
SK 51	1 3/8" / 35 mm	45 – 53 mm
SK 60	1 5/8" / 42 mm	55 – 60 mm
SK 73	2" / 50 mm	60 – 73 mm
SK 75	3" / 75 mm	86 – 102 mm

### FEATURES

- Robust clamps
- Easy & secure, for various fittings & applications

### TWO PART HOSE CLAMPS WITH LOOSE SADDLES



906

PART NUMBER	HOSE ID	HOSE OD
SL 29*	1/2" / 13 mm	22 – 29 mm
SL 34*	3/4" / 19 mm	28 – 34 mm
SL 40*	1" / 25 mm	32 – 40 mm
SL 49*	1 1/4" / 32 mm	39 – 49 mm
SL 60*	1 1/2" / 38 mm	48 – 60 mm
SL 72	2" / 50 mm	56 – 72 mm
SL 76*	2" / 50 mm	60 – 76 mm
SL 94*	2 1/2" / 63 mm	77 – 94 mm
SL 400	3" / 75 mm	89 – 101 mm
SL 115	3" / 75 mm	94 – 115 mm
SL 525	3 1/2" / 89 mm	113 – 127 mm
SL 145	3 1/2" / 89 mm	115 – 145 mm
SL 550	4" / 100 mm	127 – 140 mm
SL 600	4" / 100 mm	135 – 155 mm
SL 675	5" / 125 mm	155 – 175 mm
SL 769	6" / 150 mm	175 – 195 mm
SL 875	7" / 175 mm	210 – 225 mm
SL 988	8" / 200 mm	227 – 250 mm

\*DIN 20039 A

## US HOSE CLAMPS

### FEATURES

- Robust clamps
- Easy & secure, for various fittings & applications

### SPECIFICATIONS

Max. working pressure	25 bar (363 psi)
Material	Malleable iron, zinc plated & yellow passivated (free of chrome VI)

### TWO PART US HOSE CLAMPS WITH SAFETY CLAWS



906

PART NUMBER	HOSE ID	HOSE OD
LB-4	1/2" / 13 mm	21 – 27 mm
SKA 34	3/4" / 19 mm	30 – 35 mm
LBU-9	3/4" / 19 mm	30 – 33 mm
LB-9	3/4" / 19 mm	33 – 38 mm
LB-10	3/4" / 19 mm	38 – 43 mm
SKA 10	1" / 25 mm	35 – 45 mm
LBU-29	2" / 50 mm	63 – 70 mm

## SUREFIX PIPE CLIPS

### SUREFIX RUBBER LINED GUIDE CLIP FEATURES

- Mild steel, BZP finish
- For use with copper & plastic tubes
- Silicone low friction lining

New

### RUBBER LINED GUIDE CLIP M8 / M10 BOSS NUT



4132

PART NUMBER	TUBE OD
GC16	16 mm
GC20	20 mm
GC25	25 mm
GC32	32 mm
GC40	40 mm
GC50	50 mm
GC56	56 mm
GC63	63 mm



### SUREFIX XL RUBBER LINED CLIP FEATURES

- Mild steel, BZP finish, EPDM rubber lining
- For use with copper & plastic tubes
- Rubber lining tested to DIN4109 for acoustic use

New



4132

### SUREFIX XL RUBBER LINED CLIP M8 / M10 DUAL BOSS NUT

PART NUMBER	TUBE OD	SCREW
RLXL015	13 mm – 20 mm	M5 x 25 mm
RLXL018	17 mm – 23 mm	M5 x 25 mm
RLXL022	21 mm – 26 mm	M5 x 25 mm
RLXL028	26 mm – 30 mm	M5 x 25 mm
RLXL035	33 mm – 37 mm	M5 x 25 mm
RLXL042	40 mm – 46 mm	M5 x 25 mm
RLXL040	48 mm – 53 mm	M5 x 25 mm
RLXL054	53 mm – 59 mm	M5 x 25 mm
RLXL050	60 mm – 66 mm	M5 x 25 mm
RLXL067	67 mm – 77 mm	M6 x 30 mm
RLXL076	75 mm – 84 mm	M6 x 30 mm
RLXL080	83 mm – 93 mm	M6 x 30 mm
RLXL095	94 mm – 104 mm	M6 x 30 mm
RLXL108	102 mm – 111 mm	M6 x 30 mm
RLXL100	109 mm – 119 mm	M6 x 30 mm
RLXL120	122 mm – 135 mm	M6 x 30 mm
RLXL133	128 mm – 139 mm	M6 x 30 mm
RLXL125	135 mm – 148 mm	M6 x 30 mm
RLXL159	151 mm – 164 mm	M6 x 30 mm
RLXL150	158 mm – 170 mm	M6 x 30 mm

### 316 STAINLESS STEEL RUBBER LINED CLIP FEATURES

- 316 stainless steel, EPDM rubber lining
- For use with Trubore & ISO stainless steel tubes
- For outdoor, hygiene, food processing, cleanroom salt water environments

New



4132

### 316 STAINLESS STEEL RUBBER LINED CLIP M8 / M10 DUAL BOSS NUT

PART NUMBER	TUBE OD	SCREW
RLSS0018	15 mm – 19 mm	M6 x 20 mm
RLSS0022	20 mm – 25 mm	M6 x 20 mm
RLSS0028	26 mm – 30 mm	M6 x 20 mm
RLSS0035	32 mm – 36 mm	M6 x 20 mm
RLSS0040	38 mm – 43 mm	M6 x 20 mm
RLSS0048	47 mm – 51 mm	M6 x 20 mm
RLSS0054	53 mm – 58 mm	M6 x 20 mm
RLSS0060	60 mm – 64 mm	M6 x 20 mm
RLSS0070	68 mm – 72 mm	M6 x 20 mm
RLSS0075	75 mm – 80 mm	M6 x 20 mm
RLSS0083	81 mm – 86 mm	M6 x 20 mm
RLSS0090	87 mm – 92 mm	M6 x 20 mm
RLSS0100	99 mm – 105 mm	M6 x 20 mm
RLSS0110	107 mm – 112 mm	M6 x 20 mm
RLSS0115	113 mm – 118 mm	M6 x 20 mm
RLSS0125	125 mm – 130 mm	M6 x 20 mm
RLSS0140	138 mm – 142 mm	M6 x 20 mm
RLSS0160	159 mm – 166 mm	M6 x 20 mm

### SUREFIX XL UNLINED CLIP FEATURES

- Mild steel, BZP finish
- For use with steel & cast iron tubes
- Insulated pipe supports

New



4132

### SUREFIX XL UNLINED CLIP M8 / M10 DUAL BOSS NUT

PART NUMBER	TUBE OD	SCREW
ULXL010	15 mm – 20 mm	M5 x 25 mm
ULXL015	19 mm – 23 mm	M5 x 25 mm
ULXL022	23 mm – 28 mm	M5 x 25 mm
ULXL020	26 mm – 30 mm	M5 x 25 mm
ULXL025	32 mm – 35 mm	M5 x 25 mm
ULXL032	39 mm – 43 mm	M5 x 25 mm
ULXL040	45 mm – 51 mm	M5 x 25 mm
ULXL054	54 mm – 58 mm	M5 x 25 mm
ULXL050	60 mm – 65 mm	M5 x 25 mm
ULXL065	74 mm – 82 mm	M6 x 30 mm
ULXL070	67 mm – 71 mm	M6 x 30 mm
ULXL075	82 mm – 89 mm	M6 x 30 mm
ULXL080	91 mm – 08 mm	M6 x 30 mm
ULXL095	93 mm – 101 mm	M6 x 30 mm
ULXL105	102 mm – 109 mm	M6 x 30 mm
ULXL100	109 mm – 107 mm	M6 x 30 mm
ULXL120	116 mm – 125 mm	M6 x 30 mm
ULXL130	129 mm – 141 mm	M6 x 30 mm
ULXL125	136 mm – 146 mm	M6 x 30 mm
ULXL145	142 mm – 154 mm	M6 x 30 mm
ULXL150	158 mm – 169 mm	M6 x 30 mm
ULXL176	166 mm – 177 mm	M6 x 30 mm

### 316 STAINLESS STEEL UNLINED CLIP FEATURES

- 316 stainless steel
- For use with Trubore & ISO stainless steel tubes
- For outdoor, hygiene, food processing, cleanroom salt water environments

New



4132

### 316 STAINLESS STEEL UNLINED CLIP M8 / M10 DUAL BOSS NUT

PART NUMBER	TUBE OD	SCREW
ULSS0018	15 mm – 19 mm	M6 x 20 mm
ULSS0022	20 mm – 25 mm	M6 x 20 mm
ULSS0028	26 mm – 30 mm	M6 x 20 mm
ULSS0035	32 mm – 36 mm	M6 x 20 mm
ULSS0040	38 mm – 43 mm	M6 x 20 mm
ULSS0048	47 mm – 51 mm	M6 x 20 mm
ULSS0054	53 mm – 58 mm	M6 x 20 mm
ULSS0060	60 mm – 64 mm	M6 x 20 mm
ULSS0070	68 mm – 72 mm	M6 x 20 mm
ULSS0075	75 mm – 80 mm	M6 x 20 mm
ULSS0083	81 mm – 86 mm	M6 x 20 mm
ULSS0090	87 mm – 92 mm	M6 x 20 mm
ULSS0100	99 mm – 105 mm	M6 x 20 mm
ULSS0110	107 mm – 112 mm	M6 x 20 mm
ULSS0115	113 mm – 118 mm	M6 x 20 mm
ULSS0125	125 mm – 130 mm	M6 x 20 mm
ULSS0140	138 mm – 142 mm	M6 x 20 mm
ULSS0160	159 mm – 166 mm	M6 x 20 mm

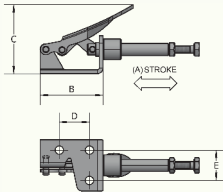
## FEATURES

- Push-pull toggle clamps are unique due to having similar action to wide-opening locking pliers, but with a flanged body that can be fastened to the fixture or mould against which the work-piece or mould half is to be clamped.
- Hook toggle clamps are most suitable for applications such as closing & holding closed doors, lids & moulds etc. due to the action of pulling two parts together.
- Vertical toggle clamps are the most popular type, with the arm & handle rotating in the same direction & high clamping force generated.
- Horizontal toggle clamps are usually used where height restrictions prevent the use of vertical clamps, or where the action of the clamping arm & handle rotating in opposite directions is more suitable.

## MATERIALS

Body & handle	Zinc plated & passivated steel
Rivets	Stainless steel

## PUSH-PULL TOGGLE CLAMPS



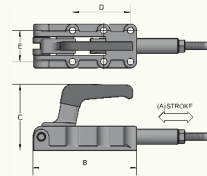
**PUSH-PULL TOGGLE CLAMPS**  
BASE MOUNTED

4150

PART NUMBER	HOLDING CAPACITY	DIMENSIONS MM A x B x C x D x E
TC-CP14	45 daN	16.7 x 33 x 36 x 15.9 x 15.9

### STAINLESS STEEL

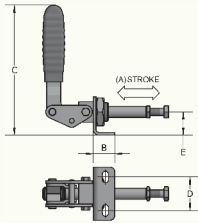
TC-CP14SS	45 daN	16.7 x 33 x 36 x 15.9 x 15.9
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**PUSH-PULL TOGGLE CLAMPS**  
BASE MOUNTED

4150

PART NUMBER	HOLDING CAPACITY	DIMENSIONS MM A x B x C x D x E
TC-CP75	2500 daN	75 x 197 x 111 x 90 x 54
TC-CP85	1200 daN	52 x 136 x 88 x 76 x 41
TC-CP95	600 daN	32 x 91 x 66 x 36.5 x 33.4



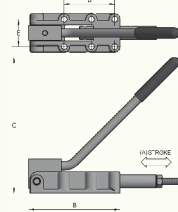
**PUSH-PULL TOGGLE CLAMPS**  
NOSE MOUNTED

4150

PART NUMBER	HOLDING CAPACITY	DIMENSIONS MM A x B x C x D x E
TC-CP15	100 daN	21 x 30 x 96 x 18 x 26
TC-CP16	200 daN	40 x 23 x 140 x 36 x 25

### STAINLESS STEEL

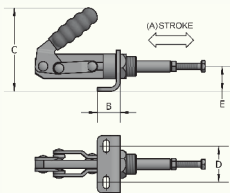
TC-CP15SS	100 daN	21 x 30 x 96 x 18 x 26
TC-CP16SS	200 daN	40 x 23 x 140 x 36 x 25



**PUSH-PULL TOGGLE CLAMPS**  
BASE MOUNTED

4150

PART NUMBER	HOLDING CAPACITY	DIMENSIONS MM A x B x C x D x E
TC-CP75/90	2500 daN	75 x 197 x 282 x 90 x 54
TC-CP85/90	1200 daN	52 x 136 x 205 x 76 x 41
TC-CP95/90	600 daN	32 x 91 x 129 x 36.5 x 33.4

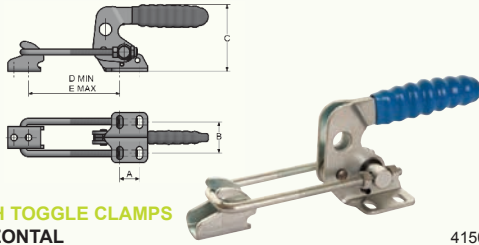


**PUSH-PULL TOGGLE CLAMP**  
NOSE MOUNTED

4150

PART NUMBER	HOLDING CAPACITY	DIMENSIONS MM A x B x C x D x E
TC-CP17	250 daN	32 x 23 x 83 x 36 x 25

LATCH TOGGLE CLAMPS



LATCH TOGGLE CLAMPS  
HORIZONTAL

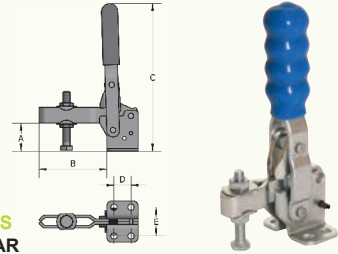
4150

PART NUMBER	HOLDING CAPACITY	DIMENSIONS MM A x B x C x D x E
TC-HC22H	210 daN	36 x 70 x 41 x 24 x 13
TC-HC24H	410 daN	47 x 88 x 64 x 29.5 x 19
TC-HC27H	710 daN	65 x 120 x 87 x 41.5 x 32

STAINLESS STEEL

TC-HC22HSS	210 daN	36 x 70 x 41 x 24 x 13
TC-HC24HSS	410 daN	47 x 88 x 64 x 29.5 x 19
TC-HC27HSS	710 daN	65 x 120 x 87 x 41.5 x 32

VERTICAL TOGGLE CLAMPS



VERTICAL TOGGLE CLAMPS  
ADJUSTABLE BAR

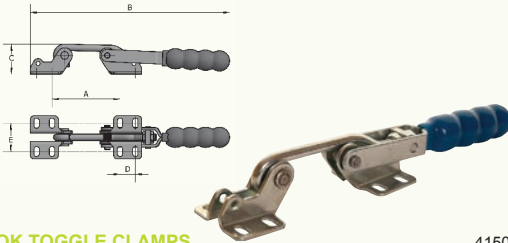
4150

PART NUMBER	HOLDING CAPACITY	DIMENSIONS MM A x B x C x D x E
TC-MG82UB	71 daN	16 x 37 x 89 x 16 x 24
TC-MG7UB	113 daN	23 x 40 x 125 x 12.5 x 27
TC-MG85UB	245 daN	32 x 76 x 174 x 18 x 32
TC-MG5UB	360 daN	45 x 102 x 213 x 32 x 45

STAINLESS STEEL

TC-MG82UBSS	71 daN	16 x 37 x 89 x 16 x 24
TC-MG7UBSS	113 daN	23 x 40 x 125 x 12.5 x 27
TC-MG85UBSS	245 daN	32 x 76 x 174 x 18 x 32

HOOK TOGGLE CLAMPS



HOOK TOGGLE CLAMPS

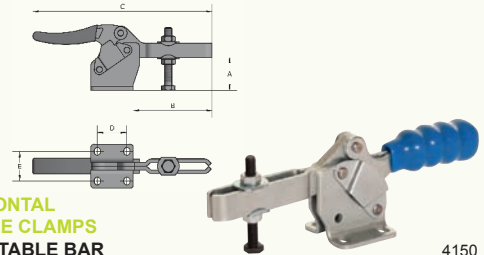
4150

PART NUMBER	HOLDING CAPACITY	DIMENSIONS MM A x B x C x D x E
TC-HC01	190 daN	63 x 178 x 27 x 13 x 26
TC-HC02	395 daN	84 x 247 x 37 x 19 x 35
TC-HC03	680 daN	112 x 325 x 45 x 32 x 51

STAINLESS STEEL

TC-HC01SS	190 daN	63 x 178 x 27 x 13 x 26
TC-HC02SS	395 daN	84 x 247 x 37 x 19 x 35
TC-HC03SS	680 daN	112 x 325 x 45 x 32 x 51

HORIZONTAL TOGGLE CLAMPS



HORIZONTAL TOGGLE CLAMPS  
ADJUSTABLE BAR

4150

PART NUMBER	HOLDING CAPACITY	DIMENSIONS MM A x B x C x D x E
TC-MH1UB	60 daN	15 x 26 x 79 x 13.75 x 16
TC-MH2UB	80 daN	20 x 36 x 118 x 13.25 x 19
TC-MH4UB	155 daN	26 x 72 x 183 x 26 x 25
TC-MH6UB	255 daN	32 x 90 x 219 x 26 x 29
TC-MH8UB	480 daN	44 x 108 x 248 x 41 x 41

STAINLESS STEEL

TC-MH1UBSS	60 daN	15 x 26 x 79 x 13.75 x 16
TC-MH2UBSS	80 daN	20 x 36 x 118 x 13.25 x 19
TC-MH4UBSS	155 daN	26 x 72 x 183 x 26 x 25