

FITTINGS – CLAMPS



**SUPER/BOLT
WORMDRIVE
CLIPS
O'CLIPS/EAR
SPIRAL
CABLE TIES
PREFORMED
BAND & BUCKLE
SAFETY BOLT/CLAW**

FITTINGS - CLAMPS SUPER/BOLT



Performer® T-Bolt Clamps

For heavy duty applications where large tightening forces are required. Rolled edges prevents hose damage. A bolt is used for tightening, not a nut – which ensures full travel when using a socket.

Extra solid construction with the highest grade materials & 3 welds per band on large sizes. Solid trunnions with Hex Head Bolt and superior sealing – tighter seals at lower bolt torques.

Independently tested.

W1 Zinc Plated Steel:

- German engineering technology
- Genuine reusable construction
- Automatic spot welded
- Electroplated Zinc
- Solid trunnion nut and bolt assembly
- Excellent clamping security

W4 Full Stainless Steel: Full Stainless Steel Band with Stainless Steel Hex Head Bolt.

NB: All clamps sold separately or in colour coded boxes of five according to material grade.

Clamping Range (mm)	Material	
	W1 Zinc Plated Steel	W4 Full S/Steel
17–19	42-100-019	42-400-019
20–22	42-100-022	42-400-022
23–25	42-100-025	42-400-025
26–28	42-100-028	42-400-028
29–31	42-100-031	42-400-031
30–33	42-100-033	42-400-033
32–35	42-100-035	42-400-035
34–37	42-100-037	42-400-037
36–39	42-100-039	42-400-039
38–41	42-100-041	42-400-041
40–43	42-100-043	42-400-043
42–45	42-100-045	42-400-045
44–47	42-100-047	42-400-047
46–49	-	42-400-049
48–51	42-100-051	42-400-051
50–53	42-100-053	42-400-053
52–55	42-100-055	42-400-055
54–57	42-100-057	42-400-057
56–59	42-100-059	42-400-059
58–61	42-100-061	42-400-061
60–63	42-100-063	42-400-063
62–65	42-100-065	42-400-065
64–67	42-100-067	42-400-067
66–70	42-100-070	42-400-070
68–73	42-100-073	42-400-073
71–76	42-100-076	42-400-076
74–79	42-100-079	42-400-079
77–82	42-100-083	42-400-082
80–85	42-100-085	42-400-085
83–88	42-100-089	42-400-088
86–91	42-100-091	42-400-091
89–94	-	42-400-094
92–97	42-100-097	42-400-097
95–100	-	42-400-100
98–103	42-100-103	42-400-103
101–107	42-100-107	42-400-107
104–112	42-100-112	42-400-112
108–116	42-100-116	42-400-116
113–121	42-100-121	42-400-121
117–125	-	42-400-125
122–130	42-100-130	42-400-130
131–139	42-100-139	42-400-139
140–148	42-100-148	42-400-148

Performer T-Bolt Clamps

Continued

Clamping Range (mm)	Material	
	Semi S/Steel	Full S/Steel
149-161	42-100-161	42-400-161
162-174	42-100-174	42-400-174
175-187	42-100-187	42-400-187
188-200	42-100-200	42-400-200
201-213	42-100-213	42-400-213
214-226	42-100-226	42-400-226
227-239	42-100-239	42-400-239
240-252	42-100-252	42-400-252
248-260	42-100-260	42-400-260
253-265	-	42-400-265
266-278	-	42-400-278
279-291	-	42-400-291
292-304	-	42-400-304



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Performer Wormdrive Clamps – W4 Stainless Steel Slotted Band

These W4 Stainless Steel Slotted band Wormdrive Clamps provide superior design and proven reliability to the user.

Also available with a removable safety collar to prevent screwdriver slip injuries they can be used for industrial, hardware, automotive and general applications.

All Performer Clamps have been independently tested.

Clamping Range x (Band Width) mm	Material
	W4 S/Steel Slotted Band
6–16 (8)	40-130-016N
8–22 (8)	40-130-022N
-	-
11–22 (12)	40-130-022
13–25 (12)	40-130-025
14–27 (12)	40-130-027
18–32 (12)	40-130-032
21–38 (12)	40-130-038
21–44 (12)	40-130-044
27–51 (12)	40-130-051
33–57 (12)	40-130-057
40–64 (12)	40-130-064
46–70 (12)	40-130-070
52–76 (12)	40-130-076
59–83 (12)	40-130-083
65–89 (12)	40-130-089
72–95 (12)	40-130-095

Clamping Range x (Band Width) mm	Material
	W4 S/Steel Slotted Band
78–102 (12)	40-130-102
84–108 (12)	40-130-108
91–114 (12)	40-130-114
103–127 (12)	40-130-127
117–140 (12)	40-130-140
106–152 (12)	40-130-152
133–178 (12)	40-130-178
185–230 (12)	40-130-230
178–254 (12)	40-130-254
60–311 (12)	40-400-311



Performer Wormdrive Clamps – W4 Stainless Steel Solid Band

These W4 Stainless Steel Solid Band Wormdrive Clamps provide superior design and proven reliability to the user.

Also available with a removable safety collar to prevent screwdriver slip injuries they can be used for industrial, hardware, automotive and general applications.

All Performer Clamps have been independently tested.

Clamping Range x (Band Width) (mm)	Material
	W4 S/Steel Solid Band
9.5–12 (12)	40-030-012
11–16 (12)	40-030-016
13–20 (12)	40-030-020
16–27 (12)	40-030-027
20–32 (12)	40-030-032
22–38 (12)	40-030-038
35–53 (12)	40-030-053
40–57 (12)	40-030-057
52–70 (12)	40-030-070
65–90 (12)	40-030-090
85–110 (12)	40-030-110
105–130 (12)	40-030-130
130–155 (12)	40-030-155
155–180 (12)	40-030-180
180–205 (12)	40-030-205
205–230 (12)	40-030-230



Fuel Line Clips

Ideal for use on small bore fuel, emissions and EFI hose applications both high and low pressure. The non-perforated band eliminates any risk of damage to the hose, and all sizes will close to a perfect circle, while the uniform circumferential pressure obtained ensures maximum sealing efficiency. This one-piece clip features a special nut which is retained in the clip so that it cannot be lost.

WI Zinc Plated Steel: All components Zinc Plated Steel clear chromate.

Clamping Range x (Band Width) mm	Material
	WI Zinc Plated Steel
7-9 (9)	43-310-009
9-11 (9)	43-310-011
10-12 (9)	43-310-012
11-13 (9)	43-310-013
12-14 (9)	43-310-014
13-15 (9)	43-310-015
14-16 (9)	43-310-016
15-17 (9)	43-310-017

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Performer Pipe Retaining Clips

Designed for the use of holding pipes, hoses, tubing, cables, wires etc. P-Clips are a quick and easy way to keep things in place.

Manufactured from Zinc Plated Carbon Steel and with an inner rubber lining to provide protection against impacts and vibration, this series of clamps are ideally suited for use in automotive, plumbing, construction, industrial, marine, electrical, power equipment, lawn and garden applications.

All Performer Pipe Retaining Clips have a 6.3 mm diameter screw hole and are 15 mm in band width.

Clamp (Size) x (Band Width) mm	Material
	WI Zinc Plated
3 (15)	47-000-003
5 (15)	47-000-005
6 (15)	47-000-006
8 (15)	47-000-008
10 (15)	47-000-010
11 (15)	47-000-011
13 (15)	47-000-013
14 (15)	47-000-014
16 (15)	47-000-016
18 (15)	47-000-018
19 (15)	47-000-019
21 (15)	47-000-021
22 (15)	47-000-022
25 (15)	47-000-025
27 (15)	47-000-027
30 (15)	47-000-030
32 (15)	47-000-032
33 (15)	47-000-033
35 (15)	47-000-035
38 (15)	47-000-038
39 (15)	47-000-039
42 (15)	47-000-042
44 (15)	47-000-044
47 (15)	47-000-047
51 (15)	47-000-051
54 (15)	47-000-054
64 (15)	47-000-064
74 (15)	47-000-074

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O'Clips

O'Clips provide a simple and economical solution for many difficult tightening and sealing situations. The double ear design allows for quick and easy installation. To apply the clamp is passed over the material that is to be mounted then Pincing Pliers are used to tighten the O'Clip to the desired firmness.

Available in Zinc Plated carbon steel or Stainless Steel O'Clips are ideally suited for use on compressed air, gas and liquid lines.

Clamping Range (mm)	Material	
	Zinc Plated	Stainless Steel
4-6	43-000-006	-
5-7	43-000-007	43-020-007
7-9	43-000-009	43-020-009
9-11	43-000-011	43-020-011
11-13	43-000-013	43-020-013
13-15	43-000-015	43-020-015
15-17	43-000-017	43-020-017
15-18	43-000-018	43-020-018
16-19	43-000-019	-
17-20	43-000-020	43-020-020
18-21	43-000-021	-
19-22	43-000-022	43-020-022
20-23	43-000-023	43-020-023
22-25	43-000-025	43-020-025
25-27	43-000-027	43-020-027
25-28	43-000-028	43-020-028
28-31	43-000-031	43-020-031
31-34	43-000-034	43-020-034
34-37	43-000-037	43-020-037
37-40	43-000-040	43-020-040
40-43	43-000-043	43-020-043
43-46	43-000-046	43-020-046



O'Clip Pincers – Side and Top

O'Clip Pincers	
Top Pincers	Side Pincers
43-000-900	43-000-901
-	-





Spiral Clamps

Plated carbon steel spiral clamps are suitable for use with smooth external surfaces but mainly for the use with hoses with corrugated spiral cover such as vacuum hoses.

Available in left or right hand spirals. To tell which spiral clamp you need simply look down the end of the hose. If the helix winds away from you in a clockwise direction you need a right hand spiral clamp. If it is anti-clockwise you need a lefthand spiral clamp.

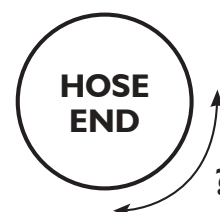
Size (inches)	Clamp Type	
	Left Hand	Right Hand
2	44-000-050	44-001-050
2½	44-000-063	44-001-063
3	44-000-076	44-001-076
4	44-000-102	44-001-102
5	44-000-127	44-001-127
6	44-000-152	44-001-152
8	44-000-203	44-001-203
10	-	44-001-252
12	-	44-001-305

Stainless Steel Spiral Clamps also available to order in some sizes. Minimum order quantities and lead times may apply.

Which Spiral Clamp to use?

Look down the end of the hose:

- If the Helix spirals away from you in a clockwise direction use a **Right Hand Spiral Clamp**.
- If the Helix spirals away from you in an anti-clockwise direction use a **Left Hand Spiral Clamp**.



Hoses with a raised helix	
Right Hand Spiral Clamps	Left Hand Spiral Clamps
02-645 Optima FW	06-800 IPL Eolo
02-850 Bumblebee	-
02-401 Optima SCR	-
02-860 Optima SR Blue	-
02-865 Optima SR Orange	-
02-430 Optima Tigertail	-
10-845 Kanamax 180AR	-

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Preformed Centre Punch Clamps

Made from 304 Stainless Steel Centre Punch clamps are easy to install and provide a strong durable hold. Ideally suited for non-critical applications.

Clamp Size mm x (Band Width)	Material & Type
	Stainless Steel Preformed Centre Punch
25 (15.9)	46-400-025
32 (15.9)	46-400-032
38 (15.9)	46-400-038
44 (15.9)	46-400-044
51 (15.9)	46-400-051
57 (15.9)	46-400-057
64 (15.9)	46-400-064
70 (15.9)	46-400-070
76 (15.9)	46-400-076
89 (15.9)	46-400-089
102 (15.9)	46-400-102
114 (15.9)	46-400-114
127 (15.9)	46-400-127
152 (15.9)	46-400-152
178 (15.9)	46-400-178
203 (15.9)	46-400-203
254 (15.9)	46-400-254
Banding Tool	46-400-900



Preformed Oz-Lok Stainless Steel Clamps

Oz-Lok are made from 304 Stainless Steel. This clamping system is quick, easy and versatile. Utilising an electric tool to provide effortless and consistent repeatable clamping they are ideally suited where large bore assemblies are carried out in volume.

Clamp Size mm x (Band Width)	Material & Type
	Stainless Steel Preformed Oz-Lok
70 (19.0)	46-310-070
89 (19.0)	46-310-089
102 (19.0)	46-310-102
127 (19.0)	46-310-127
180 (19.0)	46-310-180
230 (19.0)	46-310-230
254 (19.0)	46-310-254
305 (19.0)	46-310-305
356 (19.0)	46-310-356
Banding Tool	46-300-900





Preformed JR Smooth ID Stainless Steel Clamps

JR preformed clamps are made from type 201 Stainless Steel. Application requires no hammering or crimping. The clamps are automatically locked under tension with one simple lever action.

Clamp Size mm x (Band Width)	Material & Type
	Stainless Steel Preformed JR
21 x (9.5)	46-100-020-010
25 x (12.7)	46-100-025-012
31.8 x (12.7)	46-100-032-012
38 x (15.8)	46-100-038-016
44 x (15.8)	46-100-044-016
50 x (15.8)	46-100-051-016
58 x (15.8)	46-100-057-016
63 x (15.8)	46-100-063-016
70 x (19.0)	46-100-070-019
76 x (19.0)	46-100-076-019
89 x (19.0)	46-100-089-019
102 x (19.0)	46-100-102-019
115 x (19.0)	46-100-114-019
127 x (19.0)	46-100-127-019
152 x (19.0)	46-100-152-019
177 x (19.0)	46-100-178-019

Clamps sold in full boxes only.
Other bandwidths and compatible tools
available on request.



Band & Buckle

Flexible band clamping systems which are available in various widths and material grades to suit a broad range of applications and environments. One of the key benefits of this system is the fact that the production of individual, strong and tailor-made clamps eliminates the need for a large stock of different sized clamps. Ideal for connecting clamps, fastening, securing or fixing hoses, pipes, cables, signs or boards.

Width Size (mm)	Band and Buckles	
	Bands (30 metre roll)	Buckles (100 per box)
6.4	46-000-202	46-000-252
9.5	46-000-203	46-000-253
12.7	46-000-204	46-000-254
15.8	46-000-205	46-000-255
19.1	46-000-206	46-000-206



Banding Tool	46-000-001
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Other compatible tools
available on request.

Banding Tools

When wanting to apply a band and buckle clamp you need a tool. The toll assists in the application of the band.

Depending on whether you are looking to apply a band and buckle or a preformed clamp the tool differs. Use the table on the right to assist in the selection of the tool you require to assist in the application of your band clamp.

Part Number	Clamping Tool	Image Reference Number
46-000-001	Standard Band Tool (CBT01)	1
46-400-900	Standard Centre Punch Clamp Tool (CPT01)	2
46-300-90015	Tool (Attachment Only)	3



Other styles of tools also available on request.

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Standard Double Bolt Clamps

Double Bolt: Malleable Iron

Clamping Range (mm)	Industry Code	Part Number	
17-22	022	44-020-022	
22-29	029	44-020-029	
28-34	034	44-020-034	
32-40	040	44-020-040	
41-49	049	44-020-049	
48-60	060	44-020-060	
60-76	076	44-020-076	
77-94	094	44-020-094	
89-97	097	44-020-097	
90-102	400	44-020-102	
102-109	463	44-020-109	
108-125	525	44-020-125	
114-133	550	44-020-133	
130-144	600	44-020-144	
144-151	639	44-020-151	
151-162	675	44-020-162	
175-194	769	44-020-194	
195-208	818	44-020-208	
209-225	875	44-020-225	
227-250	988	44-020-250	
252-288	1125	44-020-288	
284-330	1275	44-020-330	
309-355	1360	44-020-355	



2-Bolt Clamps with Safety Claw

Claw Clamp: Malleable Iron clamp for use with Air Claw Couplings, and any other fitting with a 'collar'

Clamping Range (mm)	Suits Hose ID (inches)	Part Number	
22-28	1/2	44-022-029	-
29-34	3/4	44-022-034	-
35-40	1	44-022-040	-
51-58	1 1/2	-	44-022-060
66-71	2	-	44-022-073
91-97	3	-	44-022-097





High Pressure with Safety Claw

High-Pressure: Malleable Iron for use with Steam fittings (Ground Joint etc) and bull hoses (Air).

Designed to interlock with collared hose tails such as ground joint stems and couplings. Can be used with steel steam hoses, steel air hoses and fabric hoses.

Clamping Range (mm)	Suits Hose ID (Inches)	Number of Bolts	Part Number
23-27	1/2	2	44-010-027
30-33	3/4	2	44-010-033
35-40	1	4	44-010-040
45-53	1 1/4	4	44-010-053
50-57	1 1/2	4	44-010-057
63-71	2	4	44-010-071
78-87	2 1/2	4	44-010-087
90-106	3	4	44-010-106
118-127	4	6	44-010-127

BALL VALVES EXPLAINED

Use the accompanying images to assist in the identification and working understanding of Ball Valves

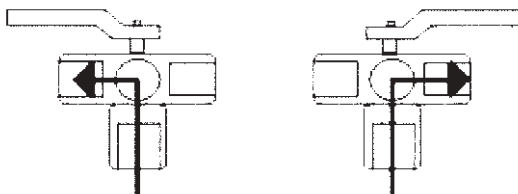
2 Way Ball Valve



Standard 2 Way Valve. Either Open or Closed

3 Way Ball Valves

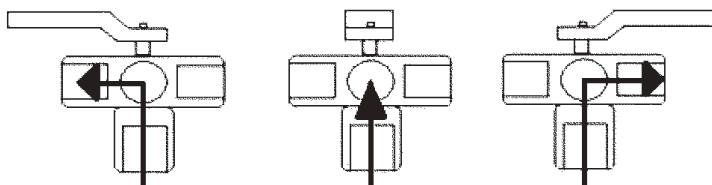
L - Port Side Entry



POSITION 1

POSITION 2

L - Port Bottom Entry

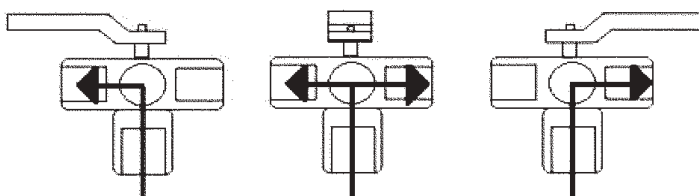


POSITION 1

CENTRE CLOSED

POSITION 2

T - Port Bottom Entry



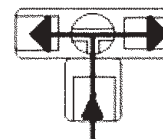
LEFT

BOTH

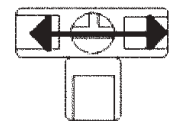
RIGHT

T - Port Side Entry

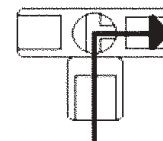
Option 1



Option 2



Option 3



Option 4

