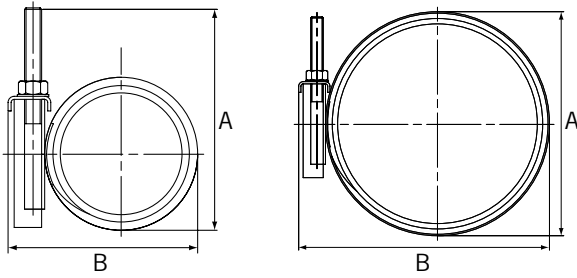


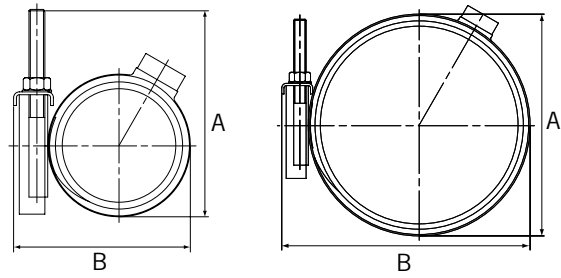
HandiClamp & HandiTap Single Band

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HandiClamp Single Band



HandiTap Single Band



HandiClamp & HandiTap Single Band

OD Range (mm)	A (mm)	B (mm)	Max Outlet Size*	Working** Pressure (bar)		Clamp Length***											
						150 (mm)		200 (mm)		250 (mm)		300 (mm)		400 (mm)		500 (mm)	
						Bolt Details		Bolt Details		Bolt Details		Bolt Details		Bolt Details		Bolt Details	
BSP	Water	Gas	No.-Dia x Length	Weight (kg)	No.-Dia x Length	Weight (kg)	No.-Dia x Length	Weight (kg)	No.-Dia x Length	Weight (kg)	No.-Dia x Length	Weight (kg)	No.-Dia x Length	Weight (kg)			
44 - 48	141	77	1.25" BSP	24.0	4.0	2-M12 x 135	1.13	2-M12 x 135	1.35	3-M12 x 135	1.89	3-M12 x 135	2.10				
48 - 52	143	82	1.25" BSP	24.0	4.0	2-M12 x 135	1.15	2-M12 x 135	1.37	3-M12 x 135	1.93	3-M12 x 135	2.14				
54 - 58	146	88	1.5" BSP	24.0	4.0	2-M12 x 135	1.18	2-M12 x 135	1.41	3-M12 x 135	1.98	3-M12 x 135	2.20				
58 - 64	148	92	1.5" BSP	24.0	4.0	2-M12 x 135	1.20	2-M12 x 135	1.44	3-M12 x 135	2.01	3-M12 x 135	2.24				
60 - 67	149	94	1.5" BSP	24.0	4.0	2-M12 x 135	1.21	2-M12 x 135	1.45	3-M12 x 135	2.03	3-M12 x 135	2.26				
63 - 70	151	97	1.5" BSP	24.0	4.0	2-M12 x 135	1.23	2-M12 x 135	1.47	3-M12 x 135	2.05	3-M12 x 135	2.29				
68 - 76	153	102	1.5" BSP	24.0	4.0	2-M12 x 135	1.25	2-M12 x 135	1.51	3-M12 x 135	2.09	3-M12 x 135	2.34				
75 - 83	157	109	1.5" BSP	24.0	4.0	2-M12 x 135	1.29	2-M12 x 135	1.55	3-M12 x 135	2.15	3-M12 x 135	2.41				
82 - 89	160	116	1.5" BSP	20.0	4.0	2-M12 x 135	1.36	2-M12 x 135	1.60	3-M12 x 135	2.21	3-M12 x 135	2.48				
87 - 96	163	121	1.5" BSP	20.0	4.0	2-M12 x 135	1.38	2-M12 x 135	1.63	3-M12 x 135	2.25	3-M12 x 135	2.53	4-M12 x 135	3.38		
95 - 105	167	129	2.0" BSP	20.0	4.0	2-M12 x 135	1.49	2-M12 x 135	1.77	3-M12 x 135	2.42	3-M12 x 135	2.73	4-M12 x 135	3.65		
102 - 112	170	136	2.0" BSP	20.0	4.0	2-M12 x 135	1.54	2-M12 x 135	1.83	3-M12 x 135	2.49	3-M12 x 135	2.83	4-M12 x 135	3.78		
113 - 123	176	147	2.0" BSP	20.0	4.0	2-M14 x 135	1.67	2-M14 x 135	1.98	3-M14 x 135	2.70	3-M14 x 135	3.05	4-M14 x 135	4.07		
120 - 131	179	154	2.0" BSP	12.0	3.0	2-M14 x 135	1.71	2-M14 x 135	2.09	3-M14 x 135	2.84	3-M14 x 135	3.21	4-M14 x 135	4.29		
132 - 142	185	166	2.0" BSP	12.0	3.0			2-M14 x 135	2.17	3-M14 x 135	2.94	3-M14 x 135	3.34	4-M14 x 135	4.47		
135 - 145	187	169	2.0" BSP	12.0	3.0			2-M14 x 135	2.19	3-M14 x 135	2.97	3-M14 x 135	3.37	4-M14 x 135	4.51		
147 - 157	193	181	2.0" BSP	12.0	3.0			2-M14 x 135	2.28	3-M14 x 135	3.08	3-M14 x 135	3.50	4-M14 x 135	4.68		
151 - 161	195	185	2.0" BSP	12.0	3.0			2-M14 x 135	2.31	3-M14 x 135	3.11	3-M14 x 135	3.54	4-M14 x 135	4.73		
160 - 170	199	194	2.0" BSP	12.0	3.0			2-M14 x 135	2.39	3-M14 x 135	3.22	3-M14 x 135	3.67	4-M14 x 135	4.91		
167 - 178	203	201	2.0" BSP	12.0	3.0			2-M14 x 135	2.44	3-M14 x 135	3.28	3-M14 x 135	3.75	4-M14 x 135	5.00		
176 - 187	207	210	2.0" BSP	12.0	3.0			2-M14 x 135	2.50	3-M14 x 135	3.36	3-M14 x 135	3.84	4-M14 x 135	5.13		
186 - 196	212	220	2.0" BSP	12.0	3.0			2-M14 x 135	2.58	3-M14 x 135	3.45	3-M14 x 135	3.95	4-M14 x 135	5.27		
193 - 203	216	227	2.0" BSP	12.0	3.0			2-M14 x 135	2.63	3-M14 x 135	3.51	3-M14 x 135	4.02	4-M14 x 135	5.37		
200 - 210	219	234	2.0" BSP	12.0	3.0			2-M14 x 135	2.88	3-M14 x 135	3.83	3-M14 x 135	4.40	4-M14 x 135	5.88		
215 - 225	227	249	2.0" BSP	12.0	3.0			2-M14 x 135	3.00	3-M14 x 135	3.98	3-M14 x 135	4.59	4-M14 x 135	6.12	5-M14 x 135	7.71
219 - 229	229	253	2.0" BSP	12.0	3.0			2-M14 x 135	3.03	3-M14 x 135	4.02	3-M14 x 135	4.64	4-M14 x 135	6.19	5-M14 x 135	7.79
230 - 240	239	264	2.0" BSP	10.0	2.5					3-M14 x 135	4.13	3-M14 x 135	4.77	4-M14 x 135	6.37	5-M14 x 135	8.02
237 - 247	246	271	2.0" BSP	10.0	2.5					3-M14 x 135	4.21	3-M14 x 135	4.86	4-M14 x 135	6.48	5-M14 x 135	8.16
240 - 250	249	274	2.0" BSP	10.0	2.5					3-M14 x 135	4.23	3-M14 x 135	4.89	4-M14 x 135	6.53	5-M14 x 135	8.22
250 - 260	259	284	2.0" BSP	10.0	2.5					3-M14 x 135	4.33	3-M14 x 135	5.01	4-M14 x 135	6.69	5-M14 x 135	8.42
257 - 267	266	291	2.0" BSP	10.0	2.5					3-M14 x 135	4.41	3-M14 x 135	5.10	4-M14 x 135	6.80	5-M14 x 135	8.56
261 - 271	270	295	2.0" BSP	10.0	2.5					3-M14 x 135	4.45	3-M14 x 135	5.15	4-M14 x 135	6.87	5-M14 x 135	8.64
270 - 280	279	304	2.0" BSP	10.0	2.5					3-M14 x 135	4.54	3-M14 x 135	5.26	4-M14 x 135	7.02	5-M14 x 135	8.83
280 - 291	289	314	2.0" BSP	10.0	2.5					3-M14 x 135	4.64	3-M14 x 135	5.38	4-M14 x 135	7.18	5-M14 x 135	9.03
290 - 300	299	324	2.0" BSP	6.0	1.5					3-M14 x 135	4.74	3-M14 x 135	5.50	4-M14 x 135	7.34	5-M14 x 135	9.23
300 - 310	308	333	2.0" BSP	6.0	1.5					3-M14 x 135	4.84	3-M14 x 135	5.62	4-M14 x 135	7.50	5-M14 x 135	9.43
310 - 320	319	343	2.0" BSP	6.0	1.5					3-M14 x 135	4.94	3-M14 x 135	5.74	4-M14 x 135	7.67	5-M14 x 135	9.64
315 - 325	328	349	2.0" BSP	6.0	1.5					3-M14 x 135	5.00	3-M14 x 135	5.81	4-M14 x 135	7.75	5-M14 x 135	9.74
320 - 330	329	354	2.0" BSP	6.0	1.5					3-M14 x 135	5.04	3-M14 x 135	5.86	4-M14 x 135	7.83	5-M14 x 135	9.84
330 - 340	339	364	2.0" BSP	6.0	1.5					3-M14 x 135	5.15	3-M14 x 135	5.99	4-M14 x 135	7.99	5-M14 x 135	10.04
340 - 350	349	374	2.0" BSP	6.0	1.5					3-M14 x 135	5.25	3-M14 x 135	6.11	4-M14 x 135	8.15	5-M14 x 135	10.24
350 - 360	359	384	2.0" BSP	6.0	1.5					3-M14 x 135	5.35	3-M14 x 135	6.23	4-M14 x 135	8.32	5-M14 x 135	10.45

*This is the maximum size BSP outlet offered. Smaller outlets are available: 0.75", 1.0", 1.25", 1.5", 1.75", 2.0".**The rated working pressures quoted above for water applications are based on worst case scenarios including circumferential cracks. When used to repair pipelines with less severe damage and dependant on the pipe surface, higher working pressures may be achieved.

***When using HandiRange products on PE pipe, consideration to clamp length must be given, please contact the Viking Johnson Marketing Department for more details.

Every effort has been made to ensure that the information contained in this publication is accurate at the time of publishing. Crane Ltd assumes no responsibility or liability for typographical errors or omissions or for any misinterpretation of the information within the publication and reserves the right to change without notice.

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HandiClamp & HandiTap Single Band

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Technical Information

Working Pressure Rating

- ▶ Water = In accordance the rating as defined in the tables
- ▶ Gas = In accordance the rating as defined in the tables

Vacuum Pressure

Capable of accommodating a vacuum pressure of -0.7 bar.

Site Test Pressure

1.5 times working pressure for short duration (2 hours)

Angularity

HandiClamp & HandiTap fittings are not able to accommodate any angularity.

Bolt Torque/Spanner

- ▶ M12; Torque = 55-65Nm on every bolt
- ▶ M14; Torque = 70-80 Nm on every bolt
- ▶ M16; Torque = 95-110Nm on every bolt

Temperature Rating of Product

- ▶ EPDM = -20°C to +40°C
- ▶ Nitrile = 20°C to +40°C

Note: HandiClamp & HandiTap are not suitable for use on heating systems with fluctuating temperatures

End Load Due to Internal Pressure

HandiClamp & HandiTap fittings DO NOT resist end load due to the internal pressure - adequate external restraint must be provided to prevent pipe pull out from the clamp.

Approvals

The following water contact materials used in HandiClamp are approved for use with potable water:-

EPDM Gaskets:

- ▶ WRAS

In addition to the above, HandiClamp & HandiTap range as a finished product has KIWA certification verifying that the above products comply with the requirements of the Water Supply (Water Fittings) Regulations for England and Wales 1999, the Water Byelaws 2000, Scotland and the Water Regulations Northern Ireland.

Materials & Relevant Standards

Body & Plates

Shell, channel plate, bridging plate, lug plate & nut plate
Stainless Steel to BS1449:Part 2 GRADE 304S15

Gasket

- ▶ EPDM to BS EN681-1, TYPE WA, WC 60 IRHD
- ▶ Nitrile to BS EN682, Type G 60 IRHD

Studs

Stainless Steel to BS EN ISO3506-1
GRADE A2 Property Class 50

Nuts

Stainless Steel to BS EN ISO 3506-2
GRADE A4 Property Class 80

Washers

Stainless Steel BS1449:PART 2 GRADE 304S15