



Rubber hose ends and clamps for steam hoses - type DIXON™BOSS™



SBC BOSS™ clamps (1/4" - 1.1/4")

Hose clamps, type BOSS™ Material: galvanised cast iron, brass,

stainless steel AISI 316

Operating pressure: 18 bar (+210°C) - saturated steam, other applications: selection in contact with Tubes

International Operating temperature: up to +230°C

SBC (*Steam Bolt Clamp*) clamps in galvanised cast iron, AISI 316 stainless steel (cast steel) and brass, bolted, with claws for locking (flange) ends. Primarily designed for fitting GF and MS BOSS™ type steam end fittings to rubber steam hoses. The clamp must be precisely matched to both the size (inside diameter) of the hose and the actual outside diameter of the hose. Install in accordance with the instructions (IT-40). The clamps should be checked periodically during the service life and tightened if necessary.

Hose inside diameter		diameter range Hose outside [mm]		diameter range Hose outside [inch]		type	Clamp material	index	manufac- turer's symbol	drawing
[inch]	[mm]	MIN	MAX	MIN	MAX					
1/4"	6	14,3	16,7	9/16"	21/32"	2 screws, 2 claws	galvanised cast iron	DX-SBC2-04-14-17	BD	 2 screws, 2 claws (DX-SBC2-08-20-24) 4 screws, 4 claws (DX-SBC4-16-35-40) 4 screws, 2 claws (DX-SBC4-16-39-43-SS)
3/8"	10	17,5	22,3	11/16"	7/8"	2 screws, 2 claws	galvanised cast iron	DX-SBC2-06-17-22	CD	
1/2"	13	20,6	23,8	13/16"	15/16"	2 screws, 2 claws	galvanised cast iron	DX-SBC2-08-20-24	DD	
		23,0	26,2	29/32"	1.1/32"	4 screws, 4 claws	galvanised cast iron	DX-SBC4-08-23-26	968	
							galvanised cast iron	DX-SBC2-08-24-27	B4	
		23,8	27,0	15/16"	1.1/16"	2 screws, 2 claws	AISI 316 steel	DX-SBC2-08-24-27-SS	RB4	
		27,0	30,2	1.1/16"	1.3/16"	2 screws, 2 claws	brass	DX-SBC2-08-24-27-B	BB4	
3/4"	19						galvanised cast iron	DX-SBC2-08-27-30	B5	
		29,4	33,3	1.5/32"	1.5/16"	2 screws, 2 claws	galvanised cast iron	DX-SBC2-12-30-33	BU9	
							AISI 316 steel	DX-SBC2-12-30-33-SS	RBU9	
							brass	DX-SBC2-12-30-33-B	BBU9	
		33,3	38,1	1.5/16"	1.1/2"	2 screws, 2 claws	galvanised cast iron	DX-SBC2-12-33-38	B9	
							AISI 316 steel	DX-SBC2-12-33-38-SS	RB9	
1"	25						brass	DX-SBC2-12-33-38-B	BB9	
		38,1	42,9	1.1/2"	1.11/16"	2 screws, 2 claws	galvanised cast iron	DX-SBC2-12-38-43	B10	
		35,7	39,7	1.13/32"	1.9/16"	4 screws, 4 claws	galvanised cast iron	DX-SBC4-16-35-40	156	
							galvanised cast iron	DX-SBC4-16-39-43	BU14	
		38,9	43,7	1.17/32"	1.23/32"	4 screws, 2 claws	AISI 316 steel	DX-SBC4-16-39-43-SS	RBU14	
							brass	DX-SBC4-16-39-43-B	BBU14	
1.1/4"	32	42,9	49,2	1.11/16"	1.15/16"	4 screws, 2 claws	galvanised cast iron	DX-SBC4-16-43-49	B14	
							AISI 316 steel	DX-SBC4-16-43-49-SS	RB14	
		49,2	54,0	1.15/16"	2.1/8"	4 screws, 2 claws	galvanised cast iron	DX-SBC4-16-49-54	B15	
		38,1	45,2	1.1/2"	1.25/32"	4 screws, 2 claws	galvanised cast iron	DX-SBC4-20-38-45	BU18	
		42,9	47,6	1.11/16"	1.7/8"	4 screws, 4 claws	galvanised cast iron	DX-SBC4-20-43-47	187	
		45,2	53,2	1.25/32"	2.3/32"	4 screws, 2 claws	galvanised cast iron	DX-SBC4-20-45-53	BU19	
1.1/4"	32	47,6	52,4	1.7/8"	2.1/16"	4 screws, 4 claws	galvanised cast iron	DX-SBC4-20-48-52	206	
							galvanised cast iron	DX-SBC4-20-54-60	B19	
		54,0	60,3	2.1/8"	2.3/8"	4 screws, 2 claws	AISI 316 steel	DX-SBC4-20-54-60-SS	RB19	



The correct installation of a shell clamp to a pair starts with the precise selection of the clamp size to the **actual** outer diameter of the hose. Once assembled and the bolts tightened sufficiently, the clamp halves should be parallel. There should be enough slack left between the clamps and at the lock and neck of the end to allow the bolts to be tightened after a certain period of storage or use of the hose if the rubber becomes deformed under the pressure of the clamp.

