

Stainless Steel Repair Clamps

Series Handbook · SS304 / SS316L / Duplex 2205 · DN50–DN600

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This handbook is for reference only. For actual application, please follow the technical advice provided during your consultation with us.

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1. Series Overview

Stainless steel repair clamps seal pinhole leaks, cracks, joint and weld-seam damage on pipelines without stopping the line. The one-piece wraparound design with a molded rubber gasket keeps a pressure-tight seal, while the stainless body delivers corrosion resistance, hygiene compliance and long service life in aggressive environments. Every clamp in this series is available in three stainless grades — SS304, SS316L and Duplex 2205 — in custom sizes DN50–DN600.

- Corrosion resistance — from fresh water and atmosphere to chlorides, seawater and process acids.
- Hygiene — smooth stainless surfaces suit food, beverage and pharmaceutical lines.
- Marine & coastal networks — the S6 and DX grades handle chloride attack.
- Custom sizes DN50–DN600, pressure ratings up to 20 MPa, special seals to order.

2. Body Materials

Three stainless grades, selected by media, temperature and budget — the same clamp, three material options. Grade names follow the Baoshuo grade code: S4 = SS304, S6 = SS316L, DX = Duplex 2205.

Grade	Steel	Corrosion Resistance	Temperature	Cost	Best For
Grade S4	SS304	Good — fresh water / atmosphere / mild media	-60°C ~ +200°C	★★★ most common grade	Food, pharma, municipal, general chemical
Grade S6	SS316L	Excellent — chloride / seawater / acids	-60°C ~ +200°C	★★ molybdenum grade	Marine, petrochem, plating, coastal networks
Grade DX	Duplex 2205	Superior — stress corrosion / pitting	-40°C ~ +280°C	★ high-strength duplex	Offshore, high-chloride, high-temp high-pressure

One product code, three grades — e.g. BS-RCSP-S4SS001 (SS304), BS-RCSP-S6SS001 (SS316L), BS-RCSP-DXSS001 (Duplex 2205).

3. Product Line — Ten Configurations

Six standard shapes plus four specialty-condition variants — every one in SS304 / SS316L / Duplex 2205, custom sizes DN50–DN600.



BS-RCSP-SS

Stainless Steel Straight Repair Clamp

DN15–DN3400 · 1.6 MPa · EPDM / NBR / FKM



BS-RCEL-SS

Stainless Steel Elbow Repair Clamp

DN50–DN600 · 1.6 MPa · EPDM / NBR / FKM



BS-RC TE-SS

Stainless Steel Tee Repair Clamp
DN50–DN600 · 1.6 MPa · EPDM / NBR / FKM



BS-RCRD-SS

Stainless Steel Reducing Repair Clamp
DN50–DN600 · 1.6 MPa · EPDM / NBR / FKM



BS-RCFL-SS

Stainless Steel Flange Wrap Repair Clamp
DN50–DN600 · 1.6 MPa · EPDM / NBR / FKM



BS-RCCR-SS

Stainless Steel Cross Repair Clamp
DN50–DN600 · 1.6 MPa · EPDM / NBR / FKM



Stainless Steel High Pressure Repair Clamp
DN50–DN600 · 6.4 MPa · NBR / FKM



Stainless Steel Corrosion Resistant Repair Clamp
DN50–DN600 · 1.6 MPa · FKM + Fluoroplastic Coating



Stainless Steel High Temperature Repair Clamp
DN50–DN600 · 1.6 MPa · Silicone



Stainless Steel Ultra-Low Temperature Repair Clamp
DN50–DN600 · 1.6 MPa · PTFE

4. Grade Selection Guide

- Fresh water, atmosphere, food & beverage, pharma → SS304 (S4).
- Seawater, chlorides, plating baths, petrochemical media → SS316L (S6).
- Offshore, strong chloride exposure, stress-corrosion risk, high-temperature high-pressure → Duplex 2205 (DX).
- Not sure? Send the media analysis — our engineers will select the grade.

5. Custom Capability

Non-standard sizes, pressure ratings up to 20 MPa and special seals are manufactured to order. Stainless clamps are built as one-off projects or series — drawings confirmed before production.

- Step 01** **Tell Us The Line.** Pipe type, OD, pressure, media, temperature and quantity — one message is enough.
- Step 02** **We Engineer It.** Seal compound, body grade and bolt spec selected against the actual conditions.
- Step 03** **Quotation & Delivery.** Drawing confirmation, production and shipment.

Need A Stainless Clamp?

Send pipe type, OD, pressure, media and temperature — get a custom engineered quotation.

REQUEST A QUOTATION → SALES@BAOSHUOPIPE.COM

Contact Us

Talk to our sales & engineering team about your pipeline repair project.

Company	Changzhou Baoshuo Pipe Fittings Co., Ltd.
Address	No.15-2 Zhongyang Rd., Zhenxi Ind. Park, Henglin Town, Changzhou, Jiangsu, China
Website	www.baoshuopipe.com
Email	sales@baoshuopipe.com

Send Us Your Pipe Details

Pipe type, OD, pressure, media, temperature and quantity — a ready quotation within 24 hours.

Email: sales@baoshuopipe.com

Specifications subject to change without notice. The latest quotation is always subject to the actual sales quotation.

This handbook is for reference only. For actual application, please follow the technical advice provided during your consultation with us.

Appendix — List Prices (USD)

The following tables list the published list prices (USD, indicative, valid 30 days) for the configurations with price data. Configurations without published prices are made to order — contact us for a quotation.

Model: S4-SS · Material: SS304 body × Stainless Steel pipe					
No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
001	15	120	18	Molded	\$27
002	15	120	21.3	Molded	\$27
003	20	120	25	Molded	\$27
004	20	120	27	Molded	\$27
005	25	120	32	Molded	\$32
006	25	120	34	Molded	\$32
007	32	120	38	Molded	\$37
008	32	120	42.4	Molded	\$37
009	40	100	45	Molded	\$35
010	40	100	48.3	Molded	\$36
011	40	150	45	Molded	\$52
012	40	150	48.3	Molded	\$54
013	40	300	45	Molded	\$105
014	40	300	48.3	Molded	\$107
015	40	300	45	Welded	\$155
016	40	300	48	Welded	\$159
017	40	350	45	Welded	\$177
018	40	350	48	Welded	\$180
019	40	500	45	Molded	\$175
020	40	500	48.3	Molded	\$179
021	40	500	45	Welded	\$240
022	40	500	48	Welded	\$244
023	40	600	45	Molded	\$210
024	40	600	48.3	Molded	\$214
025	40	800	45	Molded	\$280
026	40	800	48.3	Molded	\$285
027	40	1000	45	Molded	\$350
028	40	1000	48.3	Molded	\$357
029	50	100	57	Molded	\$38
030	50	100	60.3	Molded	\$38
031	50	150	57	Molded	\$56
032	50	150	60.3	Molded	\$58

Model: S4-SS · Material: SS304 body × Stainless Steel pipe

No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
033	50	300	57	Molded	\$113
034	50	300	60.3	Molded	\$115
035	50	300	57	Welded	\$169
036	50	300	60.3	Welded	\$172
037	50	350	57	Welded	\$191
038	50	350	60.3	Welded	\$195
039	50	500	57	Molded	\$188
040	50	500	60.3	Molded	\$192
041	50	500	57	Welded	\$258
042	50	500	60.3	Welded	\$263
043	50	600	57	Molded	\$226
044	50	600	60.3	Molded	\$230
045	50	800	57	Molded	\$301
046	50	800	60.3	Molded	\$307
047	50	1000	57	Molded	\$376
048	50	1000	60.3	Molded	\$383
049	65	100	73	Molded	\$41
050	65	100	76	Molded	\$42
051	65	170	73	Molded	\$70
052	65	170	76	Molded	\$71
053	65	300	73	Molded	\$123
054	65	300	76	Molded	\$125
055	65	300	76	Welded	\$190
056	65	350	76	Welded	\$214
057	65	400	76	Welded	\$239
058	65	500	73	Molded	\$206
059	65	500	76	Molded	\$209
060	65	500	76	Welded	\$288
061	65	600	73	Molded	\$247
062	65	600	76	Molded	\$251
063	65	800	73	Molded	\$329
064	65	800	76	Molded	\$334
065	65	1000	73	Molded	\$411
066	65	1000	76	Molded	\$418
067	65	1000	76	Welded	\$554

Model: S4-SS · Material: SS304 body × Stainless Steel pipe

No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
068	80	110	89	Molded	\$49
069	80	260	89	Molded	\$116
070	80	300	89	Molded	\$134
071	80	300	89	Welded	\$204
072	80	350	89	Welded	\$230
073	80	400	89	Welded	\$256
074	80	500	89	Molded	\$223
075	80	500	89	Welded	\$308
076	80	1000	89	Molded	\$447
077	80	1000	89	Welded	\$591
078	90	300	101.6	Molded	\$142
079	90	300	101.6	Welded	\$218
080	90	350	101.6	Welded	\$245
081	90	400	101.6	Welded	\$272
082	90	500	101.6	Molded	\$237
083	90	500	101.6	Welded	\$327
084	90	600	101.6	Molded	\$285
085	90	800	101.6	Molded	\$379
086	90	1000	101.6	Molded	\$474
087	90	1000	101.6	Welded	\$627
088	100	110	108	Molded	\$54
089	100	110	114	Molded	\$55
090	100	280	108	Molded	\$137
091	100	280	114	Molded	\$140
092	100	300	108	Molded	\$146
093	100	300	114	Molded	\$150
094	100	300	108	Welded	\$225
095	100	300	114	Welded	\$231
096	100	350	108	Welded	\$253
097	100	350	114	Welded	\$217
098	100	400	108	Welded	\$281
099	100	400	114	Welded	\$289
100	100	500	108	Molded	\$244
101	100	500	114	Molded	\$251
102	100	500	108	Welded	\$337

Model: S4-SS · Material: SS304 body × Stainless Steel pipe

No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
103	100	500	114	Welded	\$346
104	100	600	108	Molded	\$293
105	100	600	114	Molded	\$301
106	100	800	108	Molded	\$391
107	100	800	114	Molded	\$401
108	100	1000	108	Molded	\$488
109	100	1000	114	Molded	\$502
110	100	1000	108	Welded	\$646
111	100	1000	114	Welded	\$663
112	125	300	133	Molded	\$163
113	125	300	140	Molded	\$168
114	125	300	133	Welded	\$252
115	125	300	140	Welded	\$260
116	125	350	133	Welded	\$283
117	125	350	140	Welded	\$292
118	125	400	133	Welded	\$314
119	125	400	140	Welded	\$323
120	125	500	133	Molded	\$272
121	125	500	140	Molded	\$279
122	125	500	133	Welded	\$375
123	125	500	140	Welded	\$386
124	125	600	133	Molded	\$326
125	125	600	140	Molded	\$335
126	125	800	133	Molded	\$435
127	125	800	140	Molded	\$447
128	125	1000	133	Molded	\$543
129	125	1000	140	Molded	\$559
130	125	1000	133	Welded	\$717
131	125	1000	140	Welded	\$738
132	150	110	159	Molded	\$66
133	150	110	165	Molded	\$67
134	150	300	159	Welded	\$281
135	150	300	168	Welded	\$291
136	150	320	159	Molded	\$192
137	150	320	165	Molded	\$196

No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
138	150	350	159	Welded	\$315
139	150	350	168	Welded	\$325
140	150	400	159	Welded	\$348
141	150	400	168	Welded	\$360
142	150	500	159	Molded	\$300
143	150	500	165	Molded	\$307
144	150	500	159	Welded	\$416
145	150	500	168	Welded	\$429
146	150	600	159	Molded	\$360
147	150	600	165	Molded	\$368
148	150	800	159	Molded	\$481
149	150	800	165	Molded	\$491
150	150	1000	159	Molded	\$601
151	150	1000	165	Molded	\$614
152	150	1000	159	Welded	\$752
153	150	1000	168	Welded	\$818
154	200	200	219	Molded	\$293
155	200	250	219	Molded	\$293
156	200	300	219	Molded	\$293
157	200	300	219	Welded	\$347
158	200	350	219	Molded	\$293
159	200	350	219	Welded	\$387
160	200	400	219	Molded	\$293
161	200	400	219	Welded	\$427
162	200	500	219	Molded	\$366
163	200	500	219	Welded	\$508
164	200	600	219	Molded	\$440
165	200	600	219	Welded	\$589
166	200	800	219	Molded	\$586
167	200	800	219	Welded	\$750
168	200	1000	219	Molded	\$733
169	200	1000	219	Welded	\$964
170	250	200	273	Molded	\$404
171	250	250	273	Molded	\$404
172	250	300	273	Molded	\$404

Model: S4-SS · Material: SS304 body × Stainless Steel pipe

No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
173	250	300	273	Welded	\$406
174	250	350	273	Molded	\$404
175	250	350	273	Welded	\$453
176	250	400	273	Molded	\$404
177	250	400	273	Welded	\$499
178	250	500	273	Molded	\$506
179	250	500	273	Welded	\$591
180	250	600	273	Molded	\$607
181	250	600	273	Welded	\$684
182	250	800	273	Molded	\$809
183	250	800	273	Welded	\$869
184	250	1000	273	Molded	\$1,011
185	250	1000	273	Welded	\$1,118
186	300	200	325	Molded	\$462
187	300	250	325	Molded	\$462
188	300	300	325	Molded	\$462
189	300	300	325	Welded	\$572
190	300	350	325	Molded	\$462
191	300	350	325	Welded	\$642
192	300	400	325	Molded	\$462
193	300	400	325	Welded	\$712
194	300	500	325	Molded	\$577
195	300	500	325	Welded	\$852
196	300	600	325	Molded	\$692
197	300	600	325	Welded	\$992
198	300	800	325	Molded	\$923
199	300	800	325	Welded	\$1,272
200	300	1000	325	Molded	\$1,154
201	300	1000	325	Welded	\$1,734
202	350	200	355.6	Molded	\$557
203	350	200	377	Molded	\$649
204	350	250	355.6	Molded	\$557
205	350	250	377	Molded	\$649
206	350	300	355.6	Molded	\$557
207	350	300	377	Molded	\$649

Model: S4-SS · Material: SS304 body × Stainless Steel pipe

No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
208	350	300	355.6	Welded	\$611
209	350	300	377	Welded	\$638
210	350	350	355.6	Molded	\$557
211	350	350	377	Molded	\$649
212	350	350	355.6	Welded	\$685
213	350	350	377	Welded	\$715
214	350	400	355.6	Molded	\$557
215	350	400	377	Molded	\$649
216	350	400	355.6	Welded	\$759
217	350	400	377	Welded	\$792
218	350	450	355.6	Molded	\$557
219	350	450	355.6	Welded	\$833
220	350	500	355.6	Molded	\$619
221	350	500	377	Molded	\$649
222	350	500	355.6	Welded	\$907
223	350	500	377	Welded	\$946
224	350	600	355.6	Molded	\$743
225	350	600	377	Molded	\$778
226	350	600	355.6	Welded	\$1,056
227	350	600	377	Welded	\$1,101
228	350	800	355.6	Molded	\$991
229	350	800	377	Molded	\$1,038
230	350	800	355.6	Welded	\$1,353
231	350	800	377	Welded	\$1,409
232	350	1000	355.6	Molded	\$1,238
233	350	1000	377	Molded	\$1,297
234	350	1000	355.6	Welded	\$1,832
235	350	1000	377	Welded	\$1,900
236	400	300	406.4	Welded	\$675
237	400	300	426	Welded	\$700
238	400	350	406.4	Welded	\$756
239	400	350	426	Welded	\$784
240	400	400	406.4	Welded	\$837
241	400	400	426	Welded	\$868
242	400	500	406.4	Welded	\$1,000

Model: S4-SS · Material: SS304 body × Stainless Steel pipe

No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
243	400	500	426	Welded	\$1,035
244	400	600	406.4	Welded	\$1,162
245	400	600	426	Welded	\$1,203
246	400	800	406.4	Welded	\$1,487
247	400	800	426	Welded	\$1,539
248	400	1000	406.4	Welded	\$1,994
249	400	1000	426	Welded	\$2,056
250	450	300	457.2	Welded	\$739
251	450	300	480	Welded	\$768
252	450	350	457.2	Welded	\$827
253	450	350	480	Welded	\$859
254	450	400	457.2	Welded	\$916
255	450	400	480	Welded	\$951
256	450	500	457.2	Welded	\$1,092
257	450	500	480	Welded	\$1,133
258	450	600	457.2	Welded	\$1,268
259	450	600	480	Welded	\$1,316
260	450	800	457.2	Welded	\$1,621
261	450	800	480	Welded	\$1,681
262	450	1000	457.2	Welded	\$2,156
263	450	1000	480	Welded	\$2,229
264	500	300	508	Welded	\$804
265	500	300	529	Welded	\$830
266	500	350	508	Welded	\$899
267	500	350	529	Welded	\$928
268	500	400	508	Welded	\$994
269	500	400	529	Welded	\$1,026
270	500	500	508	Welded	\$1,184
271	500	500	529	Welded	\$1,223
272	500	600	508	Welded	\$1,375
273	500	600	529	Welded	\$1,419
274	500	800	508	Welded	\$1,755
275	500	800	529	Welded	\$1,811
276	500	1000	508	Welded	\$2,318
277	500	1000	529	Welded	\$2,203

No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
278	550	500	559	Welded	\$1,277
279	550	1000	559	Welded	\$2,481
280	600	300	610	Welded	\$879
281	600	300	630	Welded	\$904
282	600	350	610	Welded	\$1,211
283	600	350	630	Welded	\$1,244
284	600	400	610	Welded	\$1,322
285	600	400	630	Welded	\$1,358
286	600	500	610	Welded	\$1,543
287	600	500	630	Welded	\$1,584
288	600	600	610	Welded	\$1,764
289	600	600	630	Welded	\$1,811
290	600	800	610	Welded	\$2,206
291	600	800	630	Welded	\$2,264
292	600	1000	610	Welded	\$2,831
293	600	1000	630	Welded	\$2,900
294	600	1500	610	Welded	\$4,247
295	600	1500	630	Welded	\$4,575
296	600	2000	630	Welded	\$5,800
297	650	500	660	Welded	\$2,407
298	650	1000	660	Welded	\$3,872
299	700	500	711	Welded	\$2,562
300	700	500	720	Welded	\$2,589
301	700	600	711	Welded	\$2,872
302	700	600	720	Welded	\$2,902
303	700	800	711	Welded	\$3,491
304	700	800	720	Welded	\$3,527
305	700	1000	711	Welded	\$4,111
306	700	1000	720	Welded	\$4,153
307	750	500	762	Welded	\$2,716
308	750	1000	762	Welded	\$4,349
309	800	500	813	Welded	\$2,871
310	800	500	820	Welded	\$2,892
311	800	600	813	Welded	\$3,214
312	800	600	820	Welded	\$3,238

Model: S4-SS · Material: SS304 body × Stainless Steel pipe

No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
313	800	800	813	Welded	\$3,901
314	800	800	820	Welded	\$3,929
315	800	1000	813	Welded	\$4,588
316	800	1000	820	Welded	\$4,621
317	850	500	864	Welded	\$3,025
318	850	1000	864	Welded	\$4,827
319	900	500	914	Welded	\$3,177
320	900	500	920	Welded	\$3,195
321	900	600	914	Welded	\$3,553
322	900	600	920	Welded	\$3,573
323	900	800	914	Welded	\$4,307
324	900	800	920	Welded	\$4,331
325	900	1000	914	Welded	\$5,061
326	900	1000	920	Welded	\$5,089
327	950	500	965	Welded	\$3,331
328	950	1000	965	Welded	\$5,299
329	1000	500	1016	Welded	\$3,485
330	1000	500	1020	Welded	\$3,498
331	1000	600	1016	Welded	\$3,896
332	1000	600	1020	Welded	\$3,909
333	1000	800	1016	Welded	\$4,717
334	1000	800	1020	Welded	\$4,733
335	1000	1000	1016	Welded	\$5,538
336	1000	1000	1020	Welded	\$5,557
337	1050	500	1067	Welded	\$3,710
338	1050	1000	1067	Welded	\$5,917
339	1100	500	1118	Welded	\$3,864
340	1100	500	1120	Welded	\$3,870
341	1100	1000	1118	Welded	\$6,156
342	1100	1000	1120	Welded	\$6,165
343	1150	500	1168	Welded	\$4,016
344	1150	1000	1168	Welded	\$6,390
345	1200	500	1219	Welded	\$4,170
346	1200	1000	1219	Welded	\$6,628
347	1300	500	1321	Welded	\$4,479

No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
348	1300	1000	1321	Welded	\$7,105
349	1400	500	1422	Welded	\$8,416
350	1400	1000	1422	Welded	\$12,849
351	1500	500	1524	Welded	\$8,978
352	1500	1000	1524	Welded	\$13,691
353	1600	500	1624	Welded	\$9,528
354	1600	1000	1624	Welded	\$14,517
355	1700	500	1727	Welded	\$10,095
356	1700	1000	1727	Welded	\$15,368
357	1800	500	1829	Welded	\$10,657
358	1800	1000	1829	Welded	\$16,210
359	1900	500	1930	Welded	\$11,213
360	1900	1000	1930	Welded	\$17,044
361	2000	500	2020	Welded	\$11,708
362	2000	500	2032	Welded	\$11,774
363	2000	1000	2020	Welded	\$17,787
364	2000	1000	2032	Welded	\$17,886
365	2100	500	2134	Welded	\$12,336
366	2100	1000	2134	Welded	\$18,729
367	2200	500	2235	Welded	\$12,892
368	2200	1000	2235	Welded	\$19,563
369	2300	500	2337	Welded	\$13,454
370	2300	1000	2337	Welded	\$20,405
371	2400	500	2438	Welded	\$14,010
372	2400	1000	2438	Welded	\$21,239
373	2500	500	2540	Welded	\$14,571
374	2500	1000	2540	Welded	\$22,081
375	2600	500	2642	Welded	\$15,133
376	2600	1000	2642	Welded	\$22,924
377	2800	500	2845	Welded	\$16,250
378	2800	1000	2845	Welded	\$24,600
379	3000	500	3048	Welded	\$17,368
380	3000	1000	3048	Welded	\$26,277
381	3200	500	3251	Welded	\$18,486
382	3200	1000	3251	Welded	\$27,953

Model: S4-SS · Material: SS304 body × Stainless Steel pipe					
No.	OD (mm)	L (mm)	Applicable OD (mm)	Mfg. Tier	List Price (USD)
383	3400	500	3454	Welded	\$19,603
384	3400	1000	3454	Welded	\$29,630

* = regular stock · List Price (USD, FOB Shanghai) · valid 30 days · contact us for current quotation.