

BS-RBRF | v1.0 | 2026-08

Flanged Repair Branch Tee

Big mains, big branches: this repair-branch clamp seals the leak and lands a flanged outlet (DN50–DN300) in one lift. Bolt the valve or hydrant straight on — no separate flange work.

General Specifications

Size Range	DN15–DN4000
Sealing Pressure	≥1.6MPa (232 PSI)
Body Material	Q235 Carbon Steel / SS304 / SS316L / Duplex 2205
Seal Material	EPDM
Coating	Epoxy Powder
Bolt Specification	M16×80, Grade 8.8 High-Strength Bolts
Applicable Pipe Types	Steel, Ductile Iron, Cast Iron, Stainless Steel
Working Conditions	Standard Pressure; Oil Resistant
Custom Manufacturing	Custom sizes & specifications welcome. Contact us for inquiry.

Available Configurations

Body \ Pipe	PL	DI	ST	SS	FR	PS	CM	GR
Carbon Steel	✓	Inquire	Inquire	Inquire	Inquire	Inquire	Inquire	Inquire

✓ = Standard, with dimensions & price. — = Non-standard. Contact us.
PL=Plastic DI=Ductile Iron ST=Steel SS=Stainless Steel FR=FRP PS=PE Skeleton CM=Cement GR=Grooved

BS-RBRF-CSPL

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M)

Carbon steel body provides high structural strength, suitable for both above-ground and buried installations. The EPDM gasket's pre-compression design ensures reliable initial seal on the smooth, low-compression-strength surface of plastic pipes.

Big mains, big branches: this repair-branch clamp seals the leak and lands a flanged outlet (DN50–DN300) in one lift. Bolt the valve or hydrant straight on — no separate flange work.



Pressure	≥1.6MPa (232 PSI)
Size Range	φ160–φ1600
Variants	391 specs

Materials & Standards

Component	Material	Standard
Shell	Carbon Steel	GB/T 700
Gasket	EPDM	BS EN 681-1 / GB/T 21873
Bolts	M16×80, Grade 8.8 High-Strength Bolts	ISO 898-1 / GB/T 3098.1
Coating	Epoxy Powder	AWWA C210 / GB/T 18593

BS-RBRF-CSPL

Dimensions & Price

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)					
No.	φ (mm)	L (mm)	Wt (kg)	Branch	List Price (USD)
001	160	320	4.8	32	\$108
002	160	320	4.8	40	\$108
003	160	320	4.8	50	\$108
004	160	320	4.8	63	\$108
005	160	320	5.1	75	\$113
006	160	320	5.4	90	\$120
007	160	320	5.7	110	\$127
008	160	320	6.1	125	\$136
009	160	320	6.6	140	\$147
010	160	320	6.7	160	\$150
011	180	300	5.6	20	\$124
012	180	300	5.6	25	\$124
013	180	300	5.6	32	\$124
014	180	300	5.6	40	\$124
015	180	300	5.6	50	\$124
016	180	300	5.6	63	\$124
017	180	300	5.8	75	\$129
018	180	300	6.1	90	\$136
019	180	300	6.4	110	\$144
020	180	300	7.6	125	\$169
021	180	300	7.6	140	\$169
022	180	300	7.6	160	\$169
023	180	300	8.8	180	\$195
024	200	400	5.6	20	\$124
025	200	400	5.6	25	\$124
026	200	400	5.6	32	\$124
027	200	400	5.6	40	\$124
028	200	400	5.6	50	\$124
029	200	400	5.6	63	\$124
030	200	400	5.8	75	\$129
031	200	400	6.1	90	\$136
032	200	400	6.4	110	\$144
033	200	400	7.6	125	\$169
034	200	400	7.6	140	\$169
035	200	400	7.6	160	\$169
036	200	400	8.8	180	\$195
037	200	400	8.8	200	\$195

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)					
No.	φ (mm)	L (mm)	Wt (kg)	Branch	List Price (USD)
038	225	400	13.0	20	\$289
039	225	400	13.0	25	\$289
040	225	400	13.0	32	\$289
041	225	400	13.0	40	\$289
042	225	400	13.0	50	\$289
043	225	400	13.0	63	\$289
044	225	400	13.2	75	\$294
045	225	400	13.5	90	\$301
046	225	400	13.8	110	\$308
047	225	400	14.2	125	\$317
048	225	400	14.7	140	\$329
049	225	400	14.8	160	\$331
050	225	400	15.7	180	\$351
051	225	400	16.1	200	\$360
052	225	400	16.8	225	\$374
053	250	400	8.5	125	\$191
054	250	400	9.0	140	\$202
055	250	400	9.2	160	\$204
056	250	400	10.0	180	\$224
057	250	400	10.5	200	\$233
058	250	400	11.1	225	\$247
059	250	400	11.8	250	\$264
060	250	400	13.8	20	\$309
061	250	400	13.8	25	\$309
062	250	400	13.8	32	\$309
063	250	400	13.8	40	\$309
064	250	400	13.8	50	\$309
065	250	400	13.8	63	\$309
066	250	400	14.1	75	\$314
067	250	400	14.4	90	\$321
068	250	400	14.7	110	\$328
069	280	400	8.3	20	\$186
070	280	400	8.3	25	\$186
071	280	400	8.3	32	\$186
072	280	400	8.3	40	\$186
073	280	400	8.3	50	\$186
074	280	400	8.3	63	\$186
075	280	400	8.6	75	\$192
076	280	400	8.9	90	\$198
077	280	400	9.2	110	\$206
078	280	400	9.6	125	\$215
079	280	400	10.1	140	\$226

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)					
No.	φ (mm)	L (mm)	Wt (kg)	Branch	List Price (USD)
080	280	400	10.2	160	\$228
081	280	400	11.1	180	\$248
082	280	400	11.5	200	\$257
083	280	400	12.1	225	\$271
084	280	400	12.9	250	\$288
085	280	400	14.6	280	\$325
086	315	450	9.2	20	\$206
087	315	450	9.2	25	\$206
088	315	450	9.2	32	\$206
089	315	450	9.2	40	\$206
090	315	450	9.2	50	\$206
091	315	450	9.2	63	\$206
092	315	450	9.5	75	\$212
093	315	450	9.8	90	\$219
094	315	450	10.1	110	\$226
095	315	450	10.5	125	\$235
096	315	450	11.0	140	\$246
097	315	450	11.1	160	\$248
098	315	450	12.0	180	\$268
099	315	450	12.4	200	\$277
100	315	450	13.0	225	\$291
101	315	450	13.8	250	\$308
102	315	450	15.5	280	\$346
103	315	450	15.8	315	\$353
104	355	450	11.7	20	\$261
105	355	450	11.7	25	\$261
106	355	450	11.7	32	\$261
107	355	450	11.7	40	\$261
108	355	450	11.7	50	\$261
109	355	450	11.7	63	\$261
110	355	450	12.0	75	\$267
111	355	450	12.3	90	\$274
112	355	450	12.6	110	\$281
113	355	450	13.0	125	\$290
114	355	450	13.5	140	\$301
115	355	450	13.6	160	\$303
116	355	450	14.5	180	\$323
117	355	450	14.9	200	\$333
118	355	450	24.2	225	\$540
119	355	450	25.0	250	\$557
120	355	450	26.6	280	\$595
121	355	450	27.0	315	\$602

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)					
No.	φ (mm)	L (mm)	Wt (kg)	Branch	List Price (USD)
122	355	500	16.7	225	\$372
123	355	500	17.4	250	\$389
124	355	500	19.1	280	\$427
125	355	500	19.4	315	\$434
126	355	500	30.7	355	\$686
127	400	500	14.0	20	\$313
128	400	500	14.0	25	\$313
129	400	500	14.0	32	\$313
130	400	500	14.0	40	\$313
131	400	500	14.0	50	\$313
132	400	500	14.0	63	\$313
133	400	500	14.3	75	\$319
134	400	500	14.6	90	\$326
135	400	500	14.9	110	\$333
136	400	500	15.3	125	\$342
137	400	500	15.8	140	\$353
138	400	500	15.9	160	\$355
139	400	500	16.8	180	\$375
140	400	500	17.2	200	\$385
141	400	500	17.8	225	\$398
142	400	500	18.6	250	\$415
143	400	500	20.3	280	\$453
144	400	500	20.6	315	\$460
145	400	500	22.7	355	\$507
146	400	600	27.3	400	\$609
147	450	500	30.2	20	\$675
148	450	500	30.2	25	\$675
149	450	500	30.2	32	\$675
150	450	500	30.2	40	\$675
151	450	500	30.2	50	\$675
152	450	500	30.2	63	\$675
153	450	500	30.5	75	\$680
154	450	500	30.8	90	\$687
155	450	500	31.1	110	\$694
156	450	500	31.5	125	\$703
157	450	500	32.0	140	\$715
158	450	500	32.1	160	\$717
159	450	500	33.0	180	\$737
160	450	500	33.4	200	\$746
161	450	500	34.0	225	\$760
162	450	500	34.8	250	\$777
163	450	500	36.5	280	\$814

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)					
No.	φ (mm)	L (mm)	Wt (kg)	Branch	List Price (USD)
164	450	500	36.8	315	\$822
165	450	500	38.9	355	\$869
166	450	600	45.6	400	\$1,018
167	450	600	48.6	450	\$1,084
168	500	500	32.7	20	\$729
169	500	500	32.7	25	\$729
170	500	500	32.7	32	\$729
171	500	500	32.7	40	\$729
172	500	500	32.7	50	\$729
173	500	500	32.7	63	\$729
174	500	500	32.9	75	\$735
175	500	500	33.2	90	\$742
176	500	500	33.6	110	\$749
177	500	500	34.0	125	\$758
178	500	500	34.5	140	\$769
179	500	500	34.6	160	\$771
180	500	500	35.4	180	\$791
181	500	500	35.9	200	\$801
182	500	500	36.5	225	\$814
183	500	500	37.2	250	\$831
184	500	500	38.9	280	\$869
185	500	500	39.3	315	\$876
186	500	500	41.4	355	\$923
187	500	600	48.4	400	\$1,081
188	500	600	51.4	450	\$1,147
189	500	700	59.4	500	\$1,325
190	560	500	37.4	140	\$834
191	560	500	37.5	160	\$837
192	560	500	38.4	180	\$856
193	560	500	38.8	200	\$866
194	560	500	39.4	225	\$880
195	560	500	40.2	250	\$897
196	560	500	41.9	280	\$934
197	560	500	42.2	315	\$942
198	560	500	44.3	355	\$989
199	560	500	35.6	20	\$795
200	560	500	35.6	25	\$795
201	560	500	35.6	32	\$795
202	560	500	35.6	40	\$795
203	560	500	35.6	50	\$795
204	560	500	35.6	63	\$795
205	560	500	35.9	75	\$800

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)					
No.	φ (mm)	L (mm)	Wt (kg)	Branch	List Price (USD)
206	560	500	36.2	90	\$807
207	560	500	36.5	110	\$814
208	560	600	51.8	400	\$1,156
209	560	600	54.8	450	\$1,223
210	560	700	63.2	500	\$1,410
211	560	800	71.9	560	\$1,604
212	630	500	43.8	20	\$978
213	630	500	43.8	25	\$978
214	630	500	43.8	32	\$978
215	630	500	43.8	40	\$978
216	630	500	43.8	50	\$978
217	630	500	43.8	63	\$978
218	630	500	44.1	75	\$983
219	630	500	44.4	90	\$990
220	630	500	44.7	110	\$998
221	630	500	45.1	125	\$1,006
222	630	500	45.6	140	\$1,018
223	630	500	45.7	160	\$1,020
224	630	500	46.6	180	\$1,040
225	630	500	47.0	200	\$1,049
226	630	500	47.6	225	\$1,063
227	630	500	48.4	250	\$1,080
228	630	500	50.1	280	\$1,117
229	630	500	50.4	315	\$1,125
230	630	500	52.5	355	\$1,172
231	630	600	60.6	400	\$1,353
232	630	600	63.6	450	\$1,419
233	630	700	72.6	500	\$1,620
234	630	800	81.9	560	\$1,827
235	630	1000	103	630	\$2,292
236	710	500	70.0	20	\$1,563
237	710	500	70.0	25	\$1,563
238	710	500	70.0	32	\$1,563
239	710	500	70.0	40	\$1,563
240	710	500	70.0	50	\$1,563
241	710	500	70.0	63	\$1,563
242	710	500	70.3	75	\$1,568
243	710	500	70.6	90	\$1,575
244	710	500	70.9	110	\$1,582
245	710	500	71.3	125	\$1,591
246	710	500	71.8	140	\$1,602
247	710	500	71.9	160	\$1,605

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)					
No.	φ (mm)	L (mm)	Wt (kg)	Branch	List Price (USD)
248	710	500	72.8	180	\$1,625
249	710	500	73.2	200	\$1,634
250	710	500	73.8	225	\$1,648
251	710	500	74.6	250	\$1,665
252	710	500	76.3	280	\$1,702
253	710	500	76.6	315	\$1,710
254	710	500	78.7	355	\$1,757
255	710	600	89.0	400	\$1,987
256	710	600	92.0	450	\$2,053
257	710	700	103	500	\$2,304
258	710	800	115	560	\$2,561
259	710	1000	118	630	\$2,644
260	710	1000	140	710	\$3,119
261	800	500	77.4	20	\$1,727
262	800	500	77.4	25	\$1,727
263	800	500	77.4	32	\$1,727
264	800	500	77.4	40	\$1,727
265	800	500	77.4	50	\$1,727
266	800	500	77.4	63	\$1,727
267	800	500	77.6	75	\$1,732
268	800	500	77.9	90	\$1,739
269	800	500	78.2	110	\$1,746
270	800	500	78.6	125	\$1,755
271	800	500	79.1	140	\$1,766
272	800	500	79.2	160	\$1,769
273	800	500	80.1	180	\$1,788
274	800	500	80.5	200	\$1,798
275	800	500	81.2	225	\$1,811
276	800	500	81.9	250	\$1,828
277	800	500	83.9	315	\$1,873
278	800	500	86.0	355	\$1,920
279	800	600	97.2	400	\$2,169
280	800	600	100	450	\$2,235
281	800	700	112	500	\$2,503
282	800	800	124	560	\$2,778
283	800	1000	146	630	\$3,269
284	800	1000	168	710	\$3,743
285	800	1200	208	800	\$4,649
286	900	500	85.5	20	\$1,908
287	900	500	85.5	25	\$1,908
288	900	500	85.5	32	\$1,908
289	900	500	85.5	40	\$1,908

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)					
No.	φ (mm)	L (mm)	Wt (kg)	Branch	List Price (USD)
290	900	500	85.5	50	\$1,908
291	900	500	85.5	63	\$1,908
292	900	500	85.7	75	\$1,914
293	900	500	86.0	90	\$1,921
294	900	500	86.4	110	\$1,928
295	900	500	86.8	125	\$1,937
296	900	500	87.3	140	\$1,948
297	900	500	87.4	160	\$1,950
298	900	500	88.3	180	\$1,970
299	900	500	88.7	200	\$1,979
300	900	500	89.3	225	\$1,993
301	900	500	90.1	250	\$2,010
302	900	500	91.7	280	\$2,048
303	900	500	92.1	315	\$2,055
304	900	500	94.2	355	\$2,102
305	900	600	106	400	\$2,370
306	900	600	109	450	\$2,436
307	900	700	122	500	\$2,724
308	900	800	125	560	\$2,796
309	900	1000	159	630	\$3,549
310	900	1000	180	710	\$4,024
311	900	1200	223	800	\$4,969
312	900	1200	—	900	POA
313	1000	500	96.4	110	\$2,151
314	1000	500	96.8	125	\$2,160
315	1000	500	97.3	140	\$2,171
316	1000	500	97.4	160	\$2,174
317	1000	500	98.7	200	\$2,203
318	1000	500	99.3	225	\$2,217
319	1000	500	100	250	\$2,234
320	1000	500	102	280	\$2,271
321	1000	500	102	315	\$2,279
322	1000	500	104	355	\$2,326
323	1000	500	95.5	63	\$2,132
324	1000	500	95.8	75	\$2,137
325	1000	600	117	400	\$2,622
326	1000	600	120	450	\$2,688
327	1000	700	135	500	\$3,002
328	1000	800	149	560	\$3,327
329	1000	1000	175	630	\$3,914
330	1000	1000	197	710	\$4,389
331	1000	1200	242	800	\$5,391

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)					
No.	φ (mm)	L (mm)	Wt (kg)	Branch	List Price (USD)
332	1000	1200	—	900	POA
333	1000	1500	—	1000	POA
334	1200	500	113	110	\$2,515
335	1200	500	113	125	\$2,524
336	1200	500	114	140	\$2,535
337	1200	500	114	160	\$2,537
338	1200	500	115	200	\$2,567
339	1200	500	116	250	\$2,597
340	1200	500	118	315	\$2,642
341	1200	500	120	355	\$2,689
342	1200	600	136	400	\$3,025
343	1200	600	138	450	\$3,091
344	1200	700	154	500	\$3,447
345	1200	800	171	560	\$3,810
346	1200	1000	201	630	\$4,476
347	1200	1000	222	710	\$4,950
348	1200	1200	270	800	\$6,035
349	1200	1200	—	900	POA
350	1200	1500	—	1000	POA
351	1200	1500	—	1200	POA
352	1400	500	225	110	\$5,024
353	1400	500	225	125	\$5,033
354	1400	500	226	140	\$5,044
355	1400	500	226	160	\$5,047
356	1400	500	227	200	\$5,076
357	1400	500	228	225	\$5,090
358	1400	500	229	250	\$5,106
359	1400	500	231	315	\$5,151
360	1400	500	233	355	\$5,198
361	1400	600	258	400	\$5,769
362	1400	600	261	450	\$5,835
363	1400	700	288	500	\$6,424
364	1400	800	314	560	\$7,020
365	1400	1000	365	630	\$8,153
366	1400	1000	387	710	\$8,627
367	1400	1200	456	800	\$10,175
368	1400	1200	—	900	POA
369	1400	1500	—	1000	POA
370	1400	1500	—	1200	POA
371	1400	2000	—	1400	POA
372	1600	500	256	140	\$5,705
373	1600	500	256	160	\$5,707

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) $\geq 1.6\text{MPa}$ (232 PSI)					
No.	φ (mm)	L (mm)	Wt (kg)	Branch	List Price (USD)
374	1600	500	257	200	\$5,736
375	1600	500	258	225	\$5,750
376	1600	500	258	250	\$5,767
377	1600	500	260	315	\$5,812
378	1600	500	262	355	\$5,859
379	1600	500	255	110	\$5,685
380	1600	600	291	400	\$6,495
381	1600	600	294	450	\$6,561
382	1600	700	323	500	\$7,218
383	1600	800	353	560	\$7,881
384	1600	1000	410	630	\$9,147
385	1600	1000	431	710	\$9,622
386	1600	1200	506	800	\$11,304
387	1600	1200	—	900	POA
388	1600	1500	—	1000	POA
389	1600	1500	—	1200	POA
390	1600	2000	—	1400	POA
391	1600	2000	—	1600	POA

* = regular stock.

1S = 1-Step Molded | 2S = 2-Step Molded | W1 = Welded (50–400) | W2 = Welded (450+)

Prices indicative — contact us for current quotation.

Wt (kg) values are approximate; actual weights may vary.

List Price, FOB Shanghai — valid 30 days, base rate 6.72