

BS-RBRT | v1.0 | 2026-08

Threaded Repair Branch Tee

Two jobs, one clamp: it stops the leak on the main and carries a threaded outlet for the new branch — no second excavation, no hot-tap. Service connections on steel, ductile-iron and cast-iron mains.

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
Working Conditions	Standard Pressure
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-RBRT-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.

Two jobs, one clamp: it stops the leak on the main and carries a threaded outlet for the new branch — no second excavation, no hot-tap. Service connections on steel, ductile-iron and cast-iron mains.



Pressure	≥1.6MPa (232 PSI)
Size Range	φ20–φ400
Variants	149 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-RBRT-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	20	120	0.5	1/2"	\$11
002	25	120	0.5	1/2"	\$11
003	25	120	0.5	3/4"	\$12
004	32	120	0.6	1/2"	\$12
005	32	120	0.6	3/4"	\$13
006	32	120	0.6	1"	\$13
007	40	120	0.7	1/2"	\$15
008	40	120	0.7	3/4"	\$15
009	40	120	0.7	1"	\$15
010	40	120	0.8	1-1/4"	\$17
011	50	150	0.9	1/2"	\$19
012	50	150	0.9	3/4"	\$19
013	50	150	0.9	1"	\$20
014	50	150	1.0	1-1/4"	\$21
015	50	150	1.0	1-1/2"	\$22
016	63	150	0.9	1/2"	\$20
017	63	150	0.9	3/4"	\$21
018	63	150	0.9	1"	\$21
019	63	150	1.0	1-1/4"	\$22
020	63	150	1.0	1-1/2"	\$23
021	63	150	1.1	2"	\$25
022	75	170	1.0	1/2"	\$21
023	75	170	1.0	3/4"	\$22
024	75	170	1.0	1"	\$22
025	75	170	1.1	1-1/4"	\$23
026	75	170	1.1	1-1/2"	\$24
027	75	170	1.2	2"	\$26
028	75	170	1.3	2.5"	\$29
029	90	260	1.4	1/2"	\$32
030	90	260	1.5	3/4"	\$32
031	90	260	1.5	1"	\$33
032	90	260	1.5	1-1/4"	\$34
033	90	260	1.6	1-1/2"	\$35
034	90	260	1.6	2"	\$36
035	90	260	1.8	2.5"	\$39
036	90	260	1.9	3"	\$43
037	110	280	1.6	1/2"	\$35

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	110	280	1.6	3/4"	\$35
039	110	280	1.6	1"	\$35
040	110	280	1.7	1-1/4"	\$37
041	110	280	1.7	1-1/2"	\$38
042	110	280	1.8	2"	\$39
043	110	280	1.9	2.5"	\$42
044	110	280	2.1	3"	\$46
045	110	280	2.5	4"	\$55
046	125	280	2.7	1/2"	\$60
047	125	280	2.7	3/4"	\$61
048	125	280	2.7	1"	\$61
049	125	280	2.8	1-1/4"	\$63
050	125	280	2.8	1-1/2"	\$63
051	125	280	2.9	2"	\$65
052	125	280	3.0	2.5"	\$68
053	125	280	3.2	3"	\$71
054	125	280	3.6	4"	\$80
055	140	300	3.7	3"	\$81
056	140	300	4.1	4"	\$90
057	140	300	3.2	1/2"	\$70
058	140	300	3.2	3/4"	\$71
059	140	300	3.2	1"	\$71
060	160	320	3.6	1/2"	\$81
061	160	320	3.7	3/4"	\$81
062	160	320	3.7	1"	\$82
063	160	320	3.7	1-1/4"	\$83
064	160	320	3.8	1-1/2"	\$84
065	160	320	3.8	2"	\$85
066	160	320	4.0	2.5"	\$88
067	160	320	4.1	3"	\$92
068	160	320	4.5	4"	\$101
069	180	300	4.4	1/2"	\$98
070	180	300	4.4	3/4"	\$98
071	180	300	4.4	1"	\$98
072	180	300	4.5	1-1/4"	\$100
073	180	300	4.5	1-1/2"	\$100
074	180	300	4.6	2"	\$102
075	180	300	4.7	2.5"	\$105
076	180	300	4.9	3"	\$109
077	180	300	5.3	4"	\$118
078	200	300	4.1	1/2"	\$90
079	200	300	4.1	3/4"	\$91

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	200	300	4.1	1"	\$91
081	200	300	4.2	1-1/4"	\$93
082	200	300	4.2	1-1/2"	\$93
083	200	300	4.3	2"	\$95
084	200	300	4.4	2.5"	\$98
085	200	300	4.6	3"	\$102
086	200	300	5.0	4"	\$110
087	200	400	4.4	1/2"	\$98
088	200	400	4.4	3/4"	\$98
089	200	400	4.4	1"	\$98
090	200	400	4.5	1-1/4"	\$100
091	200	400	4.5	1-1/2"	\$100
092	200	400	4.6	2"	\$102
093	200	400	4.7	2.5"	\$105
094	200	400	4.9	3"	\$109
095	200	400	5.3	4"	\$118
096	225	400	11.7	1/2"	\$261
097	225	400	12.0	3/4"	\$267
098	225	400	12.0	1"	\$268
099	225	400	12.1	1-1/4"	\$270
100	225	400	12.2	1-1/2"	\$273
101	225	400	12.5	2"	\$278
102	225	400	12.7	2.5"	\$284
103	225	400	13.0	3"	\$289
104	225	400	13.2	4"	\$295
105	250	400	12.6	1/2"	\$281
106	250	400	12.8	3/4"	\$287
107	250	400	12.9	1"	\$288
108	250	400	13.0	1-1/4"	\$290
109	250	400	13.1	1-1/2"	\$292
110	250	400	13.3	2"	\$298
111	250	400	13.6	2.5"	\$303
112	250	400	13.8	3"	\$309
113	250	400	14.1	4"	\$315
114	280	400	7.4	2"	\$164
115	280	400	7.5	2.5"	\$167
116	280	400	7.7	3"	\$171
117	280	400	8.1	4"	\$180
118	280	400	13.7	1/2"	\$305
119	280	400	13.9	3/4"	\$310
120	280	400	14.0	1"	\$312
121	280	400	14.1	1-1/4"	\$314

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)
122	280	400	14.2	1-1/2"	\$316
123	315	400	8.0	1/2"	\$179
124	315	400	8.1	3/4"	\$180
125	315	400	8.1	1"	\$180
126	315	400	8.1	1-1/4"	\$182
127	315	400	8.2	1-1/2"	\$182
128	315	400	8.2	2"	\$184
129	315	400	8.4	2.5"	\$187
130	315	400	8.5	3"	\$191
131	315	400	8.9	4"	\$200
132	355	450	10.5	1/2"	\$235
133	355	450	10.5	3/4"	\$235
134	355	450	10.6	1"	\$235
135	355	450	10.6	1-1/4"	\$237
136	355	450	10.7	1-1/2"	\$238
137	355	450	10.7	2"	\$239
138	355	450	10.9	2.5"	\$242
139	355	450	11.0	3"	\$246
140	355	450	11.4	4"	\$255
141	400	500	12.9	1/2"	\$287
142	400	500	12.9	3/4"	\$287
143	400	500	12.9	1"	\$288
144	400	500	13.0	1-1/4"	\$289
145	400	500	13.0	1-1/2"	\$290
146	400	500	13.1	2"	\$291
147	400	500	13.2	2.5"	\$294
148	400	500	13.4	3"	\$298
149	400	500	13.8	4"	\$307

* = 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