

BS-RCSK | v1.0 | 2026-08

Socket Joint Repair Clamp

Bell-and-spigot leaks are a different geometry: the shell steps over the bell shoulder and seals on both diameters, so the socket is sealed without digging up and re-caulking the joint.

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	M20×100, 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

✓ = 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-RCSK-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.

Bell-and-spigot leaks are a different geometry: the shell steps over the bell shoulder and seals on both diameters, so the socket is sealed without digging up and re-caulking the joint.



Pressure	≥1.6MPa (232 PSI)
Size Range	φ20–φ800
Variants	26 specs

Materials & Standards

Component	Material	Standard
Shell	Carbon Steel	GB/T 700
Gasket	EPDM	BS EN 681-1 / GB/T 21873
Bolts	M20×100, Grade 8.8 High-Strength Bolts	ISO 898-1 / GB/T 3098.1
Coating	Epoxy Powder	AWWA C210 / GB/T 18593

BS-RCSK-CSPL

Dimensions & Price

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)				
No.	φ (mm)	L (mm)	Wt (kg)	List Price (USD)
001	20	110	0.3	\$8
002	25	115	0.4	\$9
003	32	120	0.4	\$10
004	40	140	0.5	\$11
005	50	196	0.6	\$14
006	63	220	0.7	\$16
007	75	258	1.1	\$24
008	90	270	2.2	\$49
009	110	280	2.6	\$58
010	125	286	—	POA
011	140	304	—	POA
012	160	310	3.7	\$81
013	180	330	—	POA
014	200	350	4.9	\$109
015	225	370	—	POA
016	250	382	6.4	\$143
017	280	390	—	POA
018	315	400	9.1	\$204
019	355	440	14.5	\$324
020	400	480	18.9	\$421
021	450	520	—	POA
022	500	560	24.4	\$545
023	560	620	—	POA
024	630	670	—	POA
025	710	650	—	POA
026	800	700	—	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

BS-RCSK-CSDI

Shell: Carbon Steel / Pipe: Ductile Iron

Carbon steel body provides high structural strength, suitable for both above-ground and buried installations. High-torque preload against the thick-walled rigidity of ductile iron pipe creates a robust, settlement-resistant connection. The EPDM gasket compensates for minor surface irregularities common in cast iron.

Bell-and-spigot leaks are a different geometry: the shell steps over the bell shoulder and seals on both diameters, so the socket is sealed without digging up and re-caulking the joint.



Pressure	≥1.6MPa (232 PSI)
Size Range	DN40–DN2000
Variants	24 specs

Materials & Standards

Component	Material	Standard
Shell	Carbon Steel	GB/T 700
Gasket	EPDM	BS EN 681-1 / GB/T 21873
Bolts	M20×100, Grade 8.8 High-Strength Bolts	ISO 898-1 / GB/T 3098.1
Coating	Epoxy Powder	AWWA C210 / GB/T 18593

BS-RCSK-CSDI

Dimensions & Price

Shell: Carbon Steel / Pipe: Ductile Iron ≥1.6MPa (232 PSI)				
No.	DN	L (mm)	Wt (kg)	List Price (USD)
001	40	200	0.6	\$14
002	50	240	0.7	\$16
003	65	210	1.1	\$24
004	80	260	2.2	\$49
005	100	277	2.6	\$58
006	125	280	—	POA
007	150	280	3.7	\$81
008	200	290	4.9	\$109
009	250	300	6.4	\$143
010	300	310	9.2	\$205
011	350	325	—	POA
012	400	330	12.2	\$271
013	450	340	—	POA
014	500	355	16.6	\$371
015	600	380	22.4	\$500
016	700	430	—	POA
017	800	470	—	POA
018	900	490	—	POA
019	1000	500	—	POA
020	1200	600	—	POA
021	1400	700	—	POA
022	1600	700	—	POA
023	1800	800	—	POA
024	2000	800	—	POA

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BS-RCSK-CSST

Shell: Carbon Steel / Pipe: Steel

Carbon steel body provides high structural strength, suitable for both above-ground and buried installations. Engineered to accommodate thermal expansion and contraction of steel pipelines while maintaining seal integrity under fluctuating service conditions.

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Pressure	≥1.6MPa (232 PSI)
Size Range	DN40–DN2000
Variants	24 specs

Materials & Standards

Component	Material	Standard
Shell	Carbon Steel	GB/T 700
Gasket	EPDM	BS EN 681-1 / GB/T 21873
Bolts	M20×100, Grade 8.8 High-Strength Bolts	ISO 898-1 / GB/T 3098.1
Coating	Epoxy Powder	AWWA C210 / GB/T 18593

BS-RCSK-CSST

Dimensions & Price

Shell: Carbon Steel / Pipe: Steel ≥1.6MPa (232 PSI)				
No.	DN	L (mm)	Wt (kg)	List Price (USD)
001	40	200	0.6	\$14
002	50	240	0.7	\$16
003	65	210	1.1	\$24
004	80	260	2.2	\$49
005	100	277	2.6	\$58
006	125	280	—	POA
007	150	280	3.7	\$81
008	200	290	4.9	\$109
009	250	300	6.4	\$143
010	300	310	9.2	\$205
011	350	325	—	POA
012	400	330	12.2	\$271
013	450	340	—	POA
014	500	355	16.6	\$371
015	600	380	22.4	\$500
016	700	430	—	POA
017	800	470	—	POA
018	900	490	—	POA
019	1000	500	—	POA
020	1200	600	—	POA
021	1400	700	—	POA
022	1600	700	—	POA
023	1800	800	—	POA
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