

BS-EJED | v1.0 | 2026-08

Double-Flange Expansion Joint

Two flanges, zero rigid connection: absorbs axial movement between flanged pipe sections and equipment, and unbolts for maintenance without cutting anything.

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
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-EJED-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 flanges, zero rigid connection: absorbs axial movement between flanged pipe sections and equipment, and unbolts for maintenance without cutting anything.



Pressure	≥1.6MPa (232 PSI)
Size Range	DN15-DN4000
Variants	42 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-EJED-CSPL

Dimensions & Price

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)			
No.	φ (mm)	Wt (kg)	List Price (USD)
001	20	—	\$86
002	25	—	\$86
003	32	—	\$86
004	40	—	\$86
005	50	—	\$86
006	63	—	\$92
007	75	—	\$106
008	90	—	\$126
009	110	—	\$148
010	125	—	\$171
011	140	—	\$199
012	160	—	\$211
013	180	—	\$258
014	200	—	\$285
015	225	—	\$321
016	250	—	\$364
017	280	—	\$450
018	315	—	\$478
019	355	—	\$652
020	400	—	\$765
021	450	—	\$995
022	500	—	\$1,158
023	560	—	\$1,340
024	630	—	\$1,554
025	710	—	\$2,555
026	800	—	\$3,613
027	900	—	\$4,561
028	1000	—	\$5,129
029	1200	—	\$6,510
030	1400	—	\$7,924
031	1600	—	\$9,719
032	1800	—	\$11,167
033	2000	—	\$12,675
034	2200	—	POA
035	2400	—	POA
036	2600	—	POA
037	2800	—	POA

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) ≥1.6MPa (232 PSI)			
No.	φ (mm)	Wt (kg)	List Price (USD)
038	3000	—	POA
039	3400	—	POA
040	3600	—	POA
041	3800	—	POA
042	4000	—	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.
 List Price, FOB Shanghai — valid 30 days, base rate 6.72

BS-EJED-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.

Two flanges, zero rigid connection: absorbs axial movement between flanged pipe sections and equipment, and unbolts for maintenance without cutting anything.



Pressure	≥1.6MPa (232 PSI)
Size Range	DN40–DN4000
Variants	35 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-EJED-CSDI

Dimensions & Price

Shell: Carbon Steel / Pipe: Ductile Iron ≥1.6MPa (232 PSI)			
No.	DN	Wt (kg)	List Price (USD)
001	40	—	\$86
002	50	—	\$92
003	65	—	\$106
004	80	—	\$126
005	100	—	\$148
006	125	—	\$200
007	150	—	\$215
008	200	—	\$320
009	250	—	\$448
010	300	—	\$482
011	350	—	\$664
012	400	—	\$780
013	450	—	\$1,015
014	500	—	\$1,179
015	600	—	\$1,557
016	700	—	\$2,574
017	800	—	\$3,641
018	900	—	\$4,736
019	1000	—	\$5,315
020	1100	—	\$5,720
021	1200	—	\$6,724
022	1400	—	\$8,165
023	1500	—	\$8,542
024	1600	—	\$9,983
025	1800	—	\$11,459
026	2000	—	\$12,994
027	2200	—	POA
028	2400	—	POA
029	2600	—	POA
030	2800	—	POA
031	3000	—	POA
032	3400	—	POA
033	3600	—	POA
034	3800	—	POA
035	4000	—	POA

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BS-EJED-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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Size Range	DN40–DN4000
Variants	35 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-EJED-CSST

Dimensions & Price

Shell: Carbon Steel / Pipe: Steel ≥1.6MPa (232 PSI)			
No.	DN	Wt (kg)	List Price (USD)
001	40	—	\$86
002	50	—	\$92
003	65	—	\$106
004	80	—	\$126
005	100	—	\$148
006	125	—	\$200
007	150	—	\$215
008	200	—	\$320
009	250	—	\$448
010	300	—	\$482
011	350	—	\$664
012	400	—	\$780
013	450	—	\$1,015
014	500	—	\$1,179
015	600	—	\$1,557
016	700	—	\$2,574
017	800	—	\$3,641
018	900	—	\$4,736
019	1000	—	\$5,315
020	1100	—	\$5,720
021	1200	—	\$6,724
022	1400	—	\$8,165
023	1500	—	\$8,542
024	1600	—	\$9,983
025	1800	—	\$11,459
026	2000	—	\$12,994
027	2200	—	POA
028	2400	—	POA
029	2600	—	POA
030	2800	—	POA
031	3000	—	POA
032	3400	—	POA
033	3600	—	POA
034	3800	—	POA
035	4000	—	POA

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