

BS-EJES | v1.0 | 2026-08

Straight Expansion Coupling

Joins two pipe ends and absorbs what moves between them — thermal growth, settlement, misalignment — in one telescopic body. Set the working length, bolt up: the pipeline breathes, the joint does not leak.

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, UPVC, HDPE
Working Conditions	Standard Pressure; High Temperature
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-EJES-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.

Joins two pipe ends and absorbs what moves between them — thermal growth, settlement, misalignment — in one telescopic body. Set the working length, bolt up: the pipeline breathes, the joint does not leak.



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-EJES-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	100	—	\$75
002	25	100	—	\$75
003	32	100	—	\$75
004	40	100	—	\$75
005	50	150	—	\$75
006	63	200	—	\$92
007	75	230	—	\$107
008	90	240	—	\$124
009	110	250	—	\$146
010	125	250	—	\$163
011	140	260	—	\$181
012	160	270	—	\$204
013	180	300	—	\$234
014	200	300	—	\$256
015	225	340	—	\$297
016	250	350	—	\$330
017	280	370	—	\$374
018	315	370	—	\$417
019	355	420	—	\$619
020	400	450	—	\$708
021	450	470	—	\$1,017
022	500	490	—	\$1,147
023	560	500	—	\$1,276
024	630	580	—	\$1,511
025	710	580	—	\$1,832
026	800	600	—	\$2,974
027	900	700	—	\$4,356
028	1000	700	—	\$4,818
029	1200	700	—	\$5,742
030	1400	700	—	\$6,667
031	1600	700	—	\$7,591
032	1800	700	—	\$8,515
033	2000	700	—	\$9,440
034	2200		—	POA
035	2400		—	POA
036	2600		—	POA
037	2800		—	POA

Shell: Carbon Steel / Pipe: Plastic (PE/PPR/UPVC/PVC-M) $\geq 1.6\text{MPa}$ (232 PSI)				
No.	φ (mm)	L (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-EJES-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.

Joins two pipe ends and absorbs what moves between them — thermal growth, settlement, misalignment — in one telescopic body. Set the working length, bolt up: the pipeline breathes, the joint does not leak.



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-EJES-CSDI

Dimensions & Price

Shell: Carbon Steel / Pipe: Ductile Iron ≥1.6MPa (232 PSI)				
No.	DN	L (mm)	Wt (kg)	List Price (USD)
001	40	150	—	\$80
002	50	200	—	\$94
003	65	230	—	\$114
004	80	240	—	\$132
005	100	250	—	\$155
006	125	260	—	\$185
007	150	270	—	\$215
008	200	340	—	\$294
009	250	370	—	\$367
010	300	370	—	\$431
011	350	420	—	\$710
012	400	450	—	\$821
013	450	470	—	\$1,080
014	500	500	—	\$1,216
015	600	580	—	\$1,647
016	700	580	—	\$2,482
017	800	600	—	\$2,875
018	900	700	—	\$4,564
019	1000	700	—	\$5,040
020	1100	700	—	\$5,521
021	1200	700	—	\$5,997
022	1400	700	—	\$6,953
023	1500	700	—	\$7,429
024	1600	700	—	\$7,905
025	1800	700	—	\$8,862
026	2000	700	—	\$9,819
027	2200	700	—	\$10,771
028	2400	700	—	\$11,727
029	2600	700	—	\$12,684
030	2800		—	POA
031	3000		—	POA
032	3400		—	POA
033	3600		—	POA
034	3800		—	POA
035	4000		—	POA

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BS-EJES-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.

Joins two pipe ends and absorbs what moves between them — thermal growth, settlement, misalignment — in one telescopic body. Set the working length, bolt up: the pipeline breathes, the joint does not leak.



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-EJES-CSST

Dimensions & Price

Shell: Carbon Steel / Pipe: Steel ≥1.6MPa (232 PSI)				
No.	DN	L (mm)	Wt (kg)	List Price (USD)
001	40	150	—	\$80
002	50	200	—	\$94
003	65	230	—	\$114
004	80	240	—	\$132
005	100	250	—	\$155
006	125	260	—	\$185
007	150	270	—	\$215
008	200	340	—	\$294
009	250	370	—	\$367
010	300	370	—	\$431
011	350	420	—	\$710
012	400	450	—	\$821
013	450	470	—	\$1,080
014	500	500	—	\$1,216
015	600	580	—	\$1,647
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