Double-Flange Expansion Joint



TECHNICAL & PRICE DATASHEET

3 configurations / 112 dimension & price rows

Select the fitting by pipe geometry, measured outside diameter and operating duty. Confirm the size, connection details and seal compound before ordering.

GENERAL SPECIFICATIONS

General nominal-size capability	DN15-DN4000
Sealing Pressure	≥1.6 MPa (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

Table range means sizes with published dimensions and prices only. Other sizes can be custom manufactured and quoted separately. General nominal-size capability: DN15-DN4000; confirm actual pipe OD.

Published pressure and range values are configuration references, not a blanket rating for every size. Material references do not certify the complete assembly. Confirm installation and isolation arrangements for the site.

Source data: v1.0 / 2026-08 | Publication v2.0 / 2026-10-16

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BS-EJED-CSPL

BS-EJED-CSPL

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



Select the fitting by pipe geometry, measured outside diameter and operating duty. Confirm the size, connection details and seal compound before ordering.

Published pressure	≥1.6 MPa (232 psi)
Priced table sizes	φ20-φ4000

Table sizes only; other sizes quoted separately. General nominal capability DN15-DN4000.

MATERIALS & REFERENCES

Component	Material	Material reference
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	Coating specification to be agreed

DIMENSIONS & PRICE

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

* Catalogue stock marker; confirm availability. Wt = theoretical estimate, not shipping weight.

Indicative USD list prices; request a current quotation. FOB Shanghai; 30-day validity; base rate 6.72.

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BS-EJED-CSPL / continued

BS-EJED-CSPL

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

≥1.6 MPa (232 psi) | φ20-φ4000

Table sizes only; other sizes quoted separately. General nominal capability DN15-DN4000.

No.	φ mm	Wt kg	List price USD
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
038	3000	-	POA

* Catalogue stock marker; confirm availability. Wt = theoretical estimate, not shipping weight.

Indicative USD list prices; request a current quotation. FOB Shanghai; 30-day validity; base rate 6.72.

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BS-EJED-CSPL / continued

BS-EJED-CSPL

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

≥1.6 MPa (232 psi) | φ20-φ4000

Table sizes only; other sizes quoted separately. General nominal capability DN15-DN4000.

No.	φ mm	Wt kg	List price USD
039	3400	-	POA
040	3600	-	POA
041	3800	-	POA
042	4000	-	POA

* Catalogue stock marker; confirm availability. Wt = theoretical estimate, not shipping weight.

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BS-EJED-CSDI

BS-EJED-CSDI

Shell: Carbon Steel / Pipe: Ductile Iron



Select the fitting by pipe geometry, measured outside diameter and operating duty. Confirm the size, connection details and seal compound before ordering.

Published pressure	≥1.6 MPa (232 psi)
Priced table sizes	DN40-DN4000

Table sizes only; other sizes quoted separately. General nominal capability DN15-DN4000.

MATERIALS & REFERENCES

Component	Material	Material reference
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	Coating specification to be agreed

DIMENSIONS & PRICE

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

* Catalogue stock marker; confirm availability. Wt = theoretical estimate, not shipping weight.

Indicative USD list prices; request a current quotation. FOB Shanghai; 30-day validity; base rate 6.72.

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BS-EJED-CSDI / continued

BS-EJED-CSDI

Shell: Carbon Steel / Pipe: Ductile Iron

≥1.6 MPa (232 psi) | DN40-DN4000

Table sizes only; other sizes quoted separately. General nominal capability DN15-DN4000.

No.	DN	Wt kg	List price USD
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

* Catalogue stock marker; confirm availability. Wt = theoretical estimate, not shipping weight.

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BS-EJED-CSST

BS-EJED-CSST

Shell: Carbon Steel / Pipe: Steel



Select the fitting by pipe geometry, measured outside diameter and operating duty. Confirm the size, connection details and seal compound before ordering.

Published pressure	≥1.6 MPa (232 psi)
Priced table sizes	DN40-DN4000

Table sizes only; other sizes quoted separately. General nominal capability DN15-DN4000.

MATERIALS & REFERENCES

Component	Material	Material reference
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	Coating specification to be agreed

DIMENSIONS & PRICE

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

* Catalogue stock marker; confirm availability. Wt = theoretical estimate, not shipping weight.

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BS-EJED-CSST / continued

BS-EJED-CSST

Shell: Carbon Steel / Pipe: Steel

≥1.6 MPa (232 psi) | DN40-DN4000

Table sizes only; other sizes quoted separately. General nominal capability DN15-DN4000.

No.	DN	Wt kg	List price USD
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
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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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Configuration matrix / code key

Read the configuration code.

Product family + shell code + pipe code identify the configuration. Include the table row number to identify the dimensional variant.

Body / pipe	PL	DI	ST	SS	FR	PS	CM	GR
CS / Carbon steel	Y	Y	Y	-	-	-	-	-

Y = published dimension and price data. - = non-standard / enquire. Custom designs remain subject to confirmation.

PIPE CODE KEY	
PL	Plastic (PE/PPR/UPVC/PVC-M)
DI	Ductile Iron
ST	Steel
SS	Stainless Steel
FR	FRP (Glass Fiber)
PS	PE Steel Skeleton Composite
CM	Cement Mortar Lined
GR	Grooved

DN / NPS are nominal designations. φ / OD (mm) denote pipe outside diameter in millimetres. L is the published fitting length. Branch sizes retain the source units; confirm the thread or flange specification.

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Ordering / notes / revision

Specify the row. Confirm the duty.

Quote the full BS configuration code and table row, plus measured pipe OD, service pressure, temperature, medium and quantity. Include drawings or photographs of the connection where available.

Selection	Confirm before ordering
Pipe & fit	Measured OD, pipe material, wall thickness, connection geometry and fitting length.
Operating duty	Medium, temperature, pressure, movement and restraint requirements for the selected design.
Finish & seal options	Most products, particularly steel fittings, offer customer-specified surface treatment and seal materials. Confirm the finish and rubber compound for the duty.
Installation	Confirm isolation, bolt size, quantity and tightening torque for the supplied assembly. These values are not tabulated in this source.

Published pressure and range values are configuration references, not a blanket rating for every size. Material references do not certify the complete assembly. Confirm installation and isolation arrangements for the site.

Table range means sizes with published dimensions and prices only. Other sizes can be custom manufactured and quoted separately. General nominal-size capability: DN15-DN4000; confirm actual pipe OD.

COMMERCIAL & DATA NOTES

* Catalogue stock marker; confirm availability. Wt = theoretical estimate, not shipping weight.
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