Cross Expansion Joint



TECHNICAL & PRICE DATASHEET

1 configurations / 42 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
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.

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BS-EJEX-CSPL

BS-EJEX-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	-	$175
002	25	-	$175
003	32	-	$175
004	40	-	$175
005	50	-	$175
006	63	-	$217
007	75	-	$256
008	90	-	$302
009	110	-	$365
010	125	-	$411

* 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-EJEX-CSPL / continued

BS-EJEX-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	-	$463
012	160	-	$533
013	180	-	$617
014	200	-	$689
015	225	-	$807
016	250	-	$913
017	280	-	$1,052
018	315	-	$1,205
019	355	-	$1,693
020	400	-	$1,975
021	450	-	$2,900
022	500	-	$3,338
023	560	-	$3,831
024	630	-	$4,606
025	710	-	$6,040
026	800	-	$7,135
027	900	-	$14,934
028	1000	-	$17,209
029	1200	-	$22,154
030	1400	-	$27,627
031	1600	-	$33,629
032	1800	-	$40,159
033	2000	-	$47,217
034	2200	-	POA
035	2400	-	POA
036	2600	-	POA
037	2800	-	POA
038	3000	-	POA

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BS-EJEX-CSPL / continued

BS-EJEX-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

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

sales@baoshuopipe.com

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