

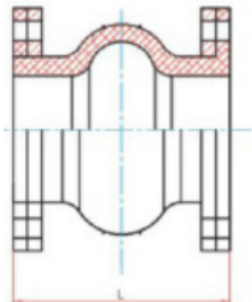


KDF High-Pressure Single Sphere Rubber Expansion Joint

Model KDF | High-pressure single-sphere configuration | Standard stock + fast custom production



KDF single-sphere configuration



Dimensional drawing reference

Structure	High-pressure single-sphere rubber body with flanged ends
Catalog Size Range	DN50-DN3000 reference range; custom sizes to approved project requirements
Face-to-Face L	105-580 mm catalog values; multiple length options are listed for selected DN sizes
Rubber Options	NR / EPDM / CR / IIR / NBR / FKM (Viton) / project-specific compounds
Flange Standards	GB / HG / DIN / EN / ANSI / ASME / JIS / BS; drilling to specified standard or approved drawing
Movement	Axial extension / axial compression / lateral / angular
Pressure	High-pressure KDF configuration; final allowable pressure confirmed by DN, flange, material and service conditions
Production	Common configurations in stock + fast custom production

Stock & Custom Production

- Common sizes and standard configurations are kept in stock for immediate shipment.
- Custom production can start the same day after drawing and specification confirmation.
- DN, face-to-face length, rubber compound, flange standard, flange material and movement can be made to approved project requirements.



Catalog Dimensions & Movement Reference

KDF high-pressure single-sphere catalog data. Dimensions and movement values are shown by nominal size.

Main Connection Dimensions

L and movement in mm | Angular deflection in degrees

DN	Inch	L	Axial Extension	Axial Compression	Lateral Movement	Angular Deflection
50	2	105	7	10	10	15
65	2.5	115	7	13	11	15
80	3	135	8	15	12	15
100	4	150	10	19	13	15
125	5	165	12	19	13	15
150	6	185	12	20	14	15
200	8	210	16	25	22	15
250	10	230	16	25	22	15
300	12	245	16	25	22	15
350	14	255	16	25	22	15
400	16	255	16	25	22	15
450	18	255	16	25	22	15
500	20	255/290	16	25	22	15
600	24	260	16	25	22	15
700	28	260/300	16	25	22	15
750	30	260/300	16	25	22	15
800	32	260/300	16	25	22	15
900	36	260/300	16	25	22	15
1000	40	260/300/350	18	26	22	15
1100	44	300	18	26	22	15
1200	48	260/300	18	26	24	15
1300	51	300/400	18	26	24	15
1400	56	350/400	20	28	26	15
1500	60	350	20	35	26	15
1600	64	350	25	35	30	10
1800	72	400/450	25	35	30	10
2000	80	360/450	25	35	30	10
2200	88	420/450/500	25	35	30	10
2400	96	360/400/500	25	35	30	10
2600	104	450/500	25	35	30	10
2800	112	580	25	35	30	10
3000	120	500/550	25	35	30	10

Configuration Notes

- Catalog range shown: DN50-DN3000.
- Special sizes, lengths and flange drilling can be made to approved drawings.
- For suspended water-supply piping above DN200, support/fixation and pull-off protection should be reviewed.

Fast Supply / RFQ

Stock items: immediate shipment. Custom production can start after drawing and specification confirmation.

RFQ: DN / flange / medium / pressure / temperature / L / movement / quantity.

For detailed technical requirements, custom configurations or project questions, please contact us.