

Double Sphere Rubber Expansion Joint

Fig. W600

Specification

Design in accordance with GB/T26121,HCRJ-070
Flanges comply with GB/T9115,GB / T 17241.6
Testing standards comply with GB/T26121

Technical data

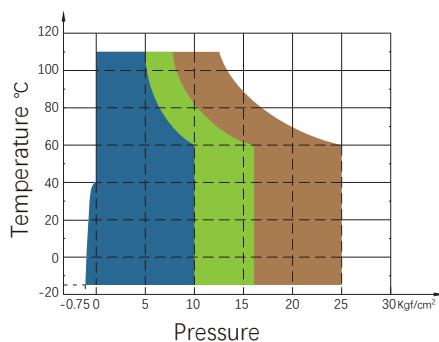
Working Pressure: 16Kg/cm² / 10Kg/cm²
Burst Pressure: 48Kg/cm² / 30Kg/cm²
Vacuum Rating: 500 mmHg / 400 mmHg
Size: 50mm(2")~600mm(24")
Medium Temperature: -15°C ~ 115°C
(according to material)
Ambient Temperature: -40°C ~ 60°C
Working medium: Cold/hot water or 50% glycol solution

Material Specifications

Part Name	Materials	Material
Flange	Ductile Iron Carbon Steel	QT450 Q235
Reinforcing Ring	Carbon Steel	Steel wire
Inner Rubber	Rubber	EPDM/NBR/CR
Outer Rubber	Rubber	EPDM/NBR/CR
Reinforcing Cord	Synthetic Fibre	-

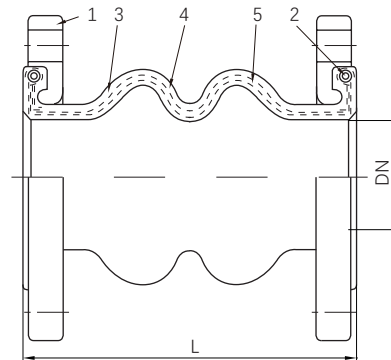
Flange Material (default): Ductile Iron (DN300 and below)
Carbon steel (DN350 and above)

Performance Table



Working Temperature vs. Working Pressure

Schematic



Dimensions

DN mm	NPS inch	length L	Allowable displacement value				Allowable installation deviation			
			Stretch A.E.	Compression A.C.	Lateral Displacement T.M.	Angle of deflection A.M.	Stretch A.E.	Compression A.C.	Lateral Displacement T.M.	Angle of deflection A.M.
32	1 1/4"	175	20	30	45	30°	3	6	8	10°
40	1 1/2"	175	20	30	45	30°	3	6	8	10°
50	2"	175	20	30	45	30°	3	6	8	10°
65	2 1/2"	175	25	50	45	30°	3	6	8	10°
80	3"	175	25	50	45	30°	3	6	8	10°
100	4"	225	35	50	35	30°	3	6	10	10°
125	5"	225	35	50	35	30°	3	6	10	10°
150	6"	225	35	50	35	30°	3	6	10	10°
200	8"	325	35	50	30	30°	3	6	12	10°
250	10"	325	35	50	30	30°	3	6	12	10°
300	12"	325	35	50	30	20°	3	6	12	10°
350	14"	345	25	40	28	10°	3	6	12	5°
400	16"	345	25	40	28	10°	3	6	12	5°
450	18"	345	25	40	28	10°	3	6	12	5°
500	20"	345	25	40	28	10°	3	6	12	5°
600	24"	360	25	40	28	10°	3	6	12	5°

Size: mm
Angle: °

WARCO reserves the right to change dimensions without notice.