

Double Sphere Rubber Expansion Joint

Fig. W600

Rubber Body • Double Sphere • Flanges Type

Sizes 1-1/4" through 24"

SPECIFICATION

Design in accordance with GB/T26121, HCRJ-070

Flanges comply with EN1092-2, ISO 7005

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: 32mm (1 1/4")~600mm (24")

Medium temperature: -15°C~115°C (according to material)

Ambient temperature: -40°C~60°C

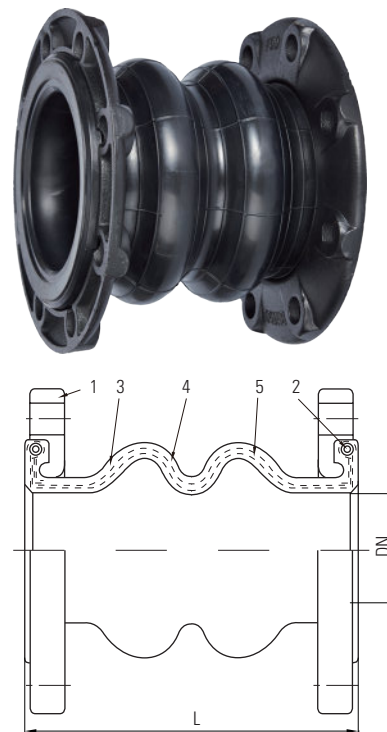
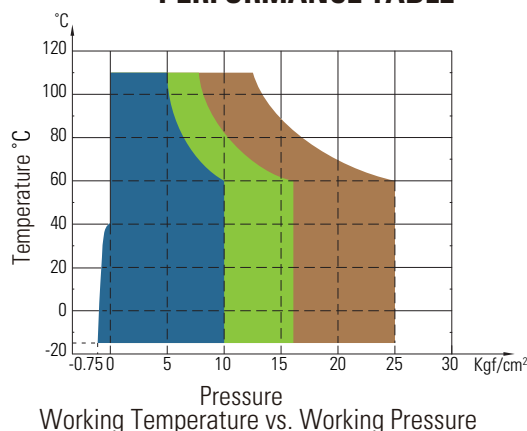
Working medium: Cold/hot water or 50% glycol solution

MATERIAL LIST

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



DIMENSIONS

DN mm	NPS inch	Length L	Allowable displacement value			
			Stretch A.E.	Compression A.C.	Lateral Displacement T.M.	Angle of deflection A.M.
32	1 1/4"	175	20	30	45	30°
40	1 1/2"	175	20	30	45	30°
50	2"	175	20	30	45	30°
65	2 1/2"	175	25	50	45	30°
80	3"	175	25	50	45	30°
100	4"	225	35	50	35	30°
125	5"	225	35	50	35	30°
150	6"	225	35	50	35	30°
200	8"	325	35	50	30	30°
250	10"	325	35	50	30	15°
300	12"	325	35	50	30	15°
350	14"	345	25	40	28	10°
400	16"	345	25	40	28	10°
450	18"	345	25	40	28	10°
500	20"	345	25	40	28	10°
600	24"	345	25	40	28	10°

Size: mm
Angle: °

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