



ELASTOMER EXPANSION JOINTS



DOSHIN RUBBER

[Doshin Rubber Engineering](#), established in 1978, is the pioneer in manufacturing laminated bridge bearing pad in Malaysia. With over 30 years of experience in providing rubber solution for the civil engineering & construction industries, Doshin Rubber is today a subsidiary of [Kossan Group](#) of companies, a public listed company at the Bursa Malaysia.

[Doshin](#) stands as a [leader](#) in the design and production of engineered rubber products thanks to scientific research, engineering design, material and product constant development and full control of production technology, Doshin combines state -of-the-art technology, experienced professional and innovative products as solution to clients' most difficult challenges.

RANGE OF PRODUCTS THAT INCLUDED:

- ✓ Marine Dock Fenders And Systems
- ✓ High Damping Rubber Bearings (HRDB)
- ✓ Lead Rubber Bearings (LRB)
- ✓ Elastomeric Laminated Bearing Pads
- ✓ Rubber Expansion Joints, Finger Joints and Modular Joints
- ✓ Floating Slab Track Bearing Pads for the Rail Industry
- ✓ Mechanical Steel Pot Bearings

Elastomer Expansion Joints

Doshin Elastomer Expansion Joints are comprised of steel angles and steel bridging plate system encased in flexible elastomer.

Doshin Elastomer Expansion Joint is supplied in module lengths designed to be bolted to the structural deck on either side of the expansion joint in the structure.

Features

- Heavy duty and long durability with improve wear resistance fomulation
- Movement accommodation up to 330mm
- Encased in corrosive resistant elastomer
- Anti-skidding



DR 45
DR 50
DR 65
DR 80

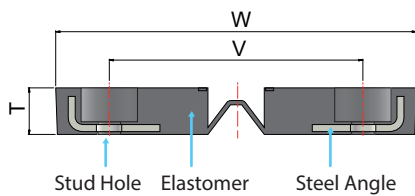
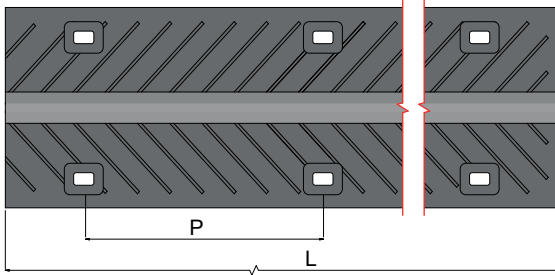


DR 100
DR 120
DR 165
DR 230
DR 330

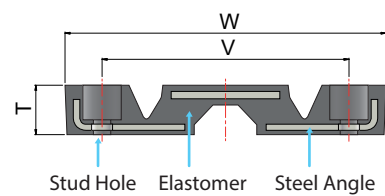
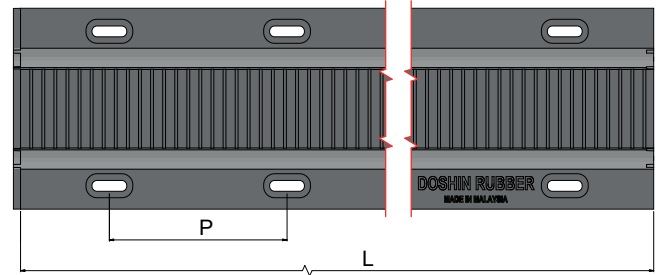


Elastomer Expansion Joints Models

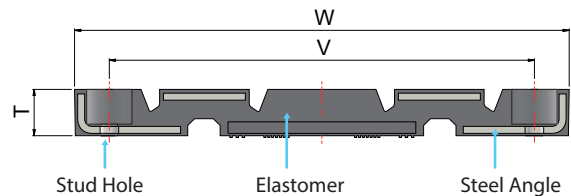
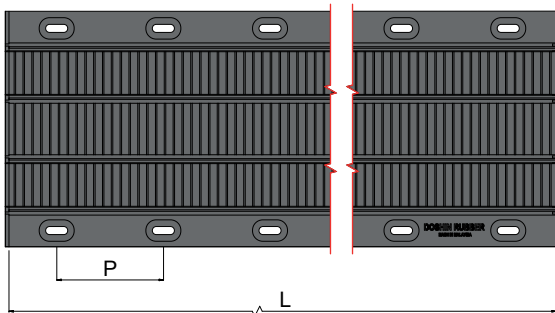
For Model : T20 , T30



For Model : DR45*, DR 50*, DR 65, DR 80



For Model : DR 100, DR 120, DR 165, DR 230, DR 330



Specification

Model	Movement	Max. Joint Width	L	W	T	V	P	Stud/Bolt Diameter	Weight (kg)
T 20	±10	25	1220	256	33	180	332	12	17
T 30	±15	35	1215	300	40	195	330	12	20
DR 45*	±22.5	55	2000	246	37	186	200	12	35
DR 50*	±25	60	2000	260	40	200	250	12	37
DR 65	±33	95	2000	356	50	280	334	16	70
DR 80	±40	110	2000	432	52	342	250	16	95
DR 100	±50	150	2000	590	54	500	333	20	170
DR 120	±60	160	2000	640	60	550	290	20	215
DR 165	±83	180	2000	716	78	610	335	24	280
DR 230	±115	273	1220	890	96	790	305	24	250
DR 330	±165	370	1220	1210	127	1080	305	30	450

All dimensions are in milimeter, unless specified.

* Diagonal groove pattern.

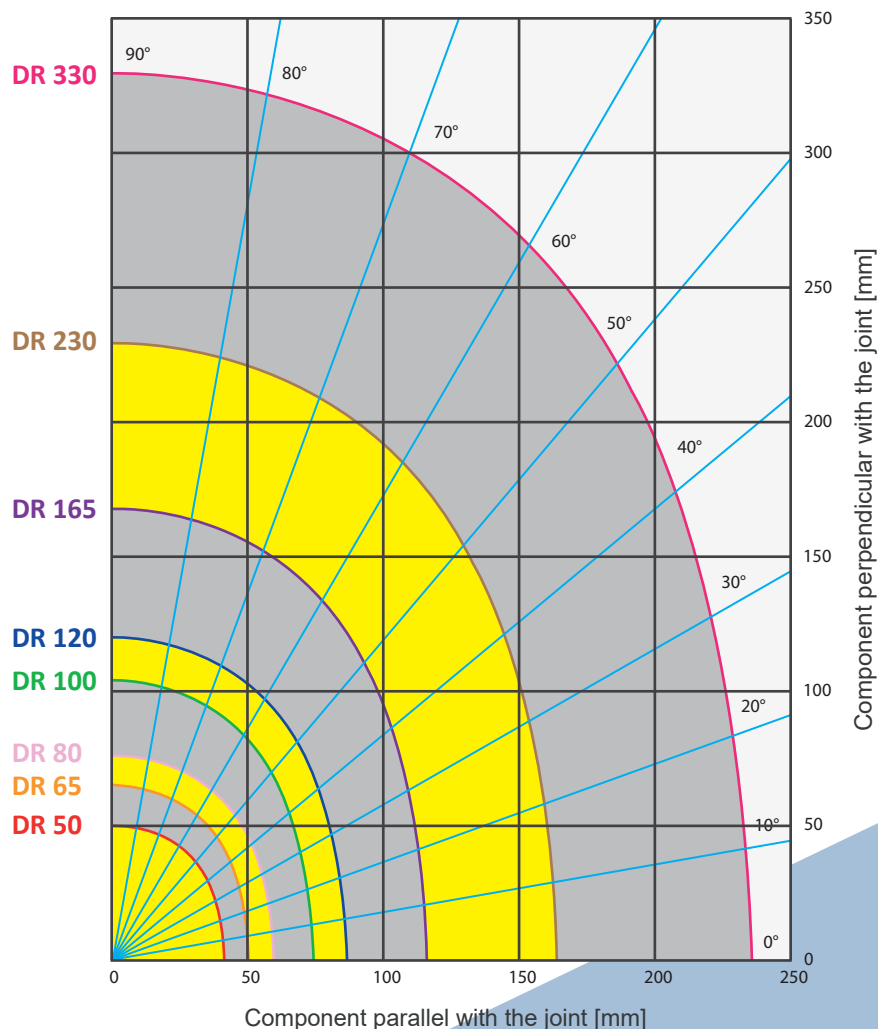
Elastomer Properties

PROPERTIES	REQUIREMENT	TEST METHOD
Hardness (Shore A)	60 ± 5	ASTM D 2240
Tensile strength (MPa)	13.0, min	ASTM D 412
Elongation at break (%)	300, min	ASTM D 412
Compression set (%)	30, max	ASTM D 395 Method B
Abrasion resistance, Relative volume loss (mm ³)	160, max	ISO 4649
Adhesive resistance (N/mm)	7, min	ASTM D 429
Ozone resistance (25pphm/72hrs/40°C/20% strain)	No crack	ASTM 1149

Steel Properties

Steel Grade	ASTM A36, EN S275JR, JIS SS400, or equivalent
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Graph of Joint Movement Capacity in Angle of Crossing



Projects Reference



➤ Others Products Range



Marine Fender



Modular Joints



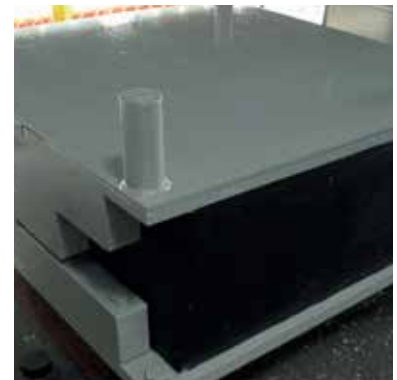
High Damping Rubber Bearing



Expansion Joint



Mining Rubber Product



Base Isolation HDRB



Structural Pot Bearing



Floating Slab track bearing



Laminated Bearing



Made in **Malaysia**
QUALITY YOU CAN TRUST

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