

BRIDGE EXPANSION JOINTS

Polymet Industries LLC

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BRIDGE EXPANION JOINTS- PRJ *series*



Features

- Elasticity, to move without cracking or transmitting unacceptable stresses to bridge deck.
- Skid resistance is achieved by the ribbed pattern on top of the neoprene/natural rubber cover.
- Maintenance free installation with drainage channel & long lasting components.
- Low profile with minimum open drainage channel to prevent debris built up and promotes smooth ride.

TECHNICAL SUPPORT

Polymet technical engineers are available to support in design, procurement & site installation of Polymet PRJ expansion joints.

MADE IN UAE

Polymet PRJ Expansions joints are made in United Arab Emirates and can be shipped to any destination within GCC in short period of time.

TURNKEY SOLUTIONS

Polymet offers customized solutions for projects that require custom sizes.

For more information on any of our products or services please visit us on the Web at: www.pretread.com

Moulded rubber expansion joint system designed to accommodate structure movements from 20 up to 200mm. Polymet PRJ systems consists of steel reinforced moulded rubber joints.

Physical properties of the Neoprene/ Natural Rubber compound will meet the requirement as mentioned on the table.

Compound Physical Properties	ASTM Test Standard	Min Requirements
Durometer Shore A Hardness	D 2240	65 ± 5
Tensile Strength	D 412	160 Kg/cm ²
Elongation at Break	D 412	350%
Compression Set 22hrs @ 70° C	D 395	< 20%
Ozone Resistance 70 hrs @ 40°C – 20% strain – 100pphm	D 1149	No cracks

EXPANSION JOINTS

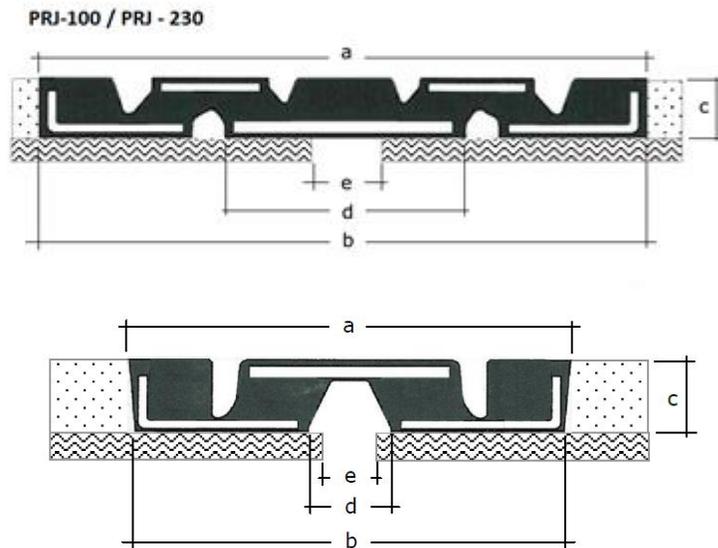
PRJ 52 / PRJ 100 / PRJ 230

Model	Range of Movement		Dimensions in mm									Weight (Kg)
	Open	Close	a	b	c	d	e	f	g	h	L	
PRJ 52	+26	-26	266	262	40	50	48	152	305	208	426	55
PRJ 100	+50	-50	580	575	55	240	94	152	305	495	1829	95
PRJ 230	+115	-115	892	880	98	375	145	152	305	787	1829	245

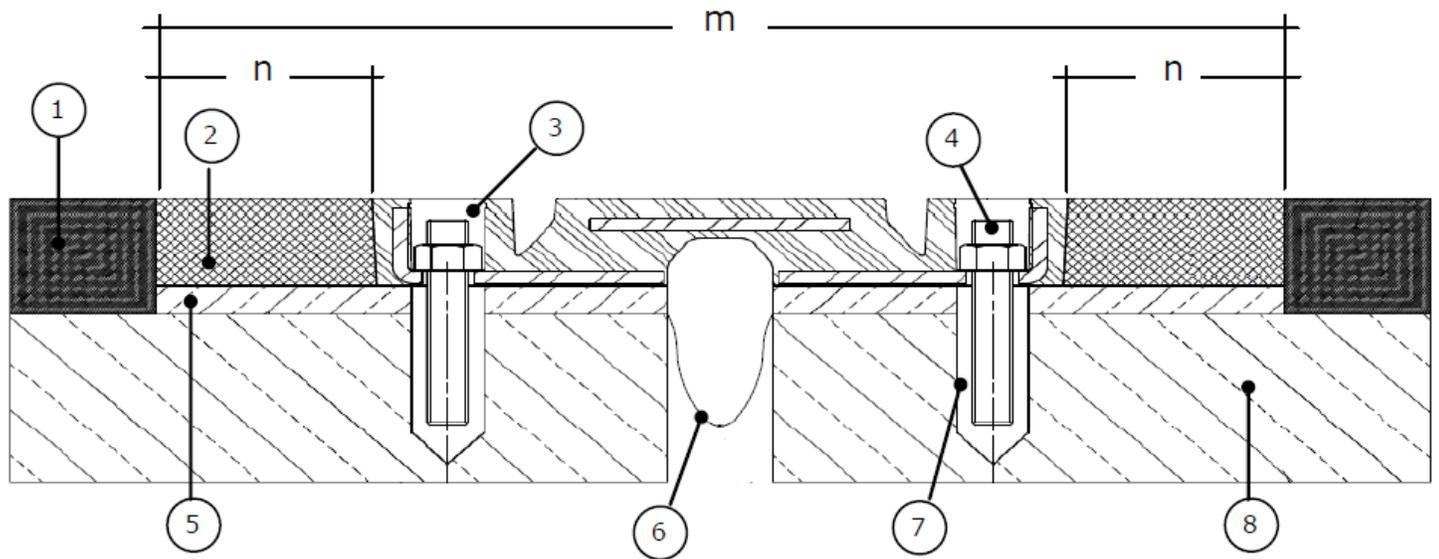
Movements supported on No skewed bridges.

Sizes may change – please consult with POLYMET before placing order.

Above given size are of standard production. Sizes for higher expansion gap can be manufactured and supplied.



ASSEMBLY ACCESORIES AND FIXTURES- PRJ *series*



1. Pavement

3. Sealing

5. Levelling Mortar

7. Anchoring resin

2. Transition Mortar

4. Bolt, nut and washer

6. Waterproof membrane

8. Beam