

Movement and rotation pads for load bearing joints

Uses

Slipjoints are designed to take movement on a load bearing structure such as corbel/slab and brick interfaces where a low friction sliding interface is required. They ensure that the load transfer is correctly through the centre of the horizontal joint thus eliminating any chance of fretting at the edge due to the rotation of the slab. Live load deflection of the slab by means of settlement of adjacent columns/walls and piers is also diminished.

Applied in a continuous length they are ideal for both reinforced and post-tension slabs in car parks, shopping centers, airports, hotels and recording studios.

Description

Slipjoints are manufactured of polished stainless steel sheet sliding on a PTFE layer bonded to a high performance quality rubber strip. The slipjoint is finished with polystyrene to give the required width and then sealed with adhesive tape.

Advantages

- Standard movement capacity up to ± 50 mm
- Load capacity ranges from 75kN/mtr to 500kN/mtr
- Accommodates initial shrinkage and subsequent thermal movement while being noiseless
- Gives loading at a centralized area that eliminates edge loading

Specifications

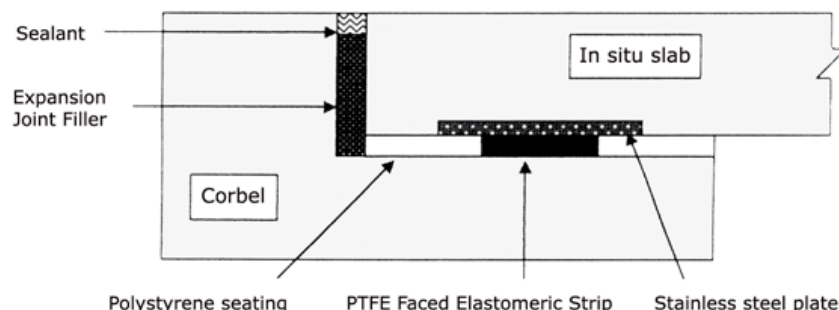
When specifying please include details such as load capacity kN/mtr, movement capacity, total width of corbel.

Example of a SJ100/15/150 slipjoint –

SJ100	Load Capacity 100kN/mtr of Slipjoint
15	Movement capacity is +/- 15 mm
150	Width of Corbel is 150 mm

Installation

1. Prepare surface of concrete/brickwork to receive the Slipjoint so that it is level and sound.
2. Hold the slipjoint in position using contact adhesive and seal any butt joints with tape.
3. Make sure the complete surface of the concrete seating is covered with slipjoint and polystyrene foam. Do not forget to allow for any expansion joint materials, if specified.
4. Placement of concrete should be done with care making sure no damage is done to the slipjoint with vibrators, etc.



Slipjoints

Estimating

Type	Movement mm	Min. Width of Corbel mm	Load Capacity kN / metre	Rotation Radians
SJ 75/15	15	58	75	0.048
/30	30	88	75	0.048
/50	50	128	75	0.048
SJ 100/15	15	63	100	0.042
/30	30	93	100	0.042
/50	50	133	100	0.042
SJ 150/15	15	73	150	0.035
/30	30	103	150	0.035
/50	50	143	150	0.035
SJ 200/15	15	80	200	0.031
/30	30	110	200	0.031
/50	50	150	200	0.031
SJ 250/15	15	86	250	0.031
/30	30	116	250	0.031
/50	50	156	250	0.031
SJ 300/15	15	90	300	0.028
/30	30	120	300	0.028
/50	50	160	300	0.028
SJ 400/15	15	99	400	0.027
/30	30	129	400	0.027
/50	50	169	400	0.027
SJ 500/15	15	116	500	0.016
/30	30	146	500	0.016
/50	50	186	500	0.016

Important notice

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.