



Lists of RTA Approved Bridge Components and Systems

I. Proprietary Bridge Expansion Joints

Company	Product Name	Joint Type
Granor	Watson Bowman Acme: SB single support beam type (Joints must be fabricated in Port Kembla)	Modular
Zillmere Engineering	EJ – Steel fingers and sole plate bonded to rubber (Joints must be removed for inspection 15 years after installation or 15 million truck axle passes, whichever occurs earlier, and replaced as required)	Fingerplate
Austress Freyssinet	CIPEC Wd160	Saw tooth
Granor	ETIC: EJ-110 and EJ-160	
Austress Freyssinet	CIPEC WOSd 75 AUS-R CIPEC WOSd 100 AUS-R	Strip seal
Granor	Granor Ausflex: Type AC-AR	
	Watson Bowman Acme: Strip Seal	
Miska	Miska BJ6 (Joint must be RTA approved version)	
Granor	Watson Bowman Acme: Series WA, WJ, WG	Compression seal
Granor	XJS system (for rehabilitation of small movement joints only)	Small movement
Parchem	Emer-Seal: Roadseal (for joints type B and C to RTA B312) PU40 (for joints type B and C to RTA B312)	

Small movement joints: Submission for use of other than the approved joints in specific applications must be reviewed by Greg Forster or Taha Ahmed (Policy & Specifications, RTA Bridge Engineering)

2. Proprietary Bridge Bearings

Company	Product Name	Bearing Type
Austress Freyssinet	Tetron CD FX/GL/GG	Pot
Austress Freyssinet	PPC	Laminated elastomeric
Granor	Series A to K Series N to Y	
Ludowici Ltd	Ludowici	
Macam Rubber	Macam Rubber	
Ludowici Ltd	Ludowici	Unreinforced elastomeric pads and strips
Macam Rubber	Macam Rubber	

3. Proprietary Bridge Deck Waterproofing Membranes

Company	Product Name	Waterproofing System
Ardex Building Products	Shelterbit H.D. Bridge Membrane	Torch-on bituminous sheeting
SAMI P/L	Samiseal 6	Sprayed bituminous surfacing. SBS polymer modified bitumen
Stirling Lloyd	Eliminator	Sprayed methyl methacrylate resin

4. Proprietary Slip Resistant Coatings

(None approved as yet)

5. Proprietary Post-Tensioning Systems

(Refer to RTA QA Specification BI 13)

Australian Prestressing Services Pty Ltd (A.P.S.)

- (a) A.P.S. Multi-Strand System with up to 48 x 12.7 mm strands (not including couplers).
- (b) A.P.S. Post-Tensioned Slab System with up to 5 x 12.7 mm strands.

Austress Freyssinet Pty Ltd

- (a) Freyssinet "C" Range multistrand system with up to 31 x 15.2 mm strands, including Mono-strand Mobile couplers.
- (b) Monogroup "K" Range (PSC) multistrand system with up to 42 x 12.7 mm strands, including only the 37 x 12.7 mm strand coupler.



- (c) Austress PSC Slab System with up to 5 x 12.7 mm or 5 x 15.2 mm strands.

DSI Pty Ltd

- (a) DSI single threadbar system using Grade WR bar sizes 26 mm, 32 mm and 36 mm with rectangular, square or QR plate anchorages, including couplers of D, G or G movable types.
- (b) DSI 40 mm diameter WR grade threadbar system with WR grade anchor nut and standard anchor plate, including WR grade coupler.

Structural Systems (Northern) Pty Limited

- (a) Structural Systems' slab post-tensioning system with up to 6 x 12.7 mm strands and with up to 5 x 15.2 mm strands.
- (b) Macalloy Prestressing Bar System up to 50 mm diameter.
- (c) (Provisional approval) BBR Cona Multi Strand Post Tensioning System with MI live and dead end anchorages and swaged dead end anchorages with up to 61 x 12.7 mm super grade strands and up to 42 x 15.2 mm extra high tensile grade strands and Type M3 5506 fabricated live and swaged dead end anchorages with 55 x 15.2 mm extra high tensile grade strands and type K couplers for up to 31 x 12.7 mm super grade strands and up to 42 x 15.2 mm extra high tensile grade strands.

VSL Australia Pty Ltd

- (a) VSL Multistrand Post-tensioning system with up to 55 x 12.7 mm strands, including couplers.
- (b) VSL Multistrand Post-tensioning system with up to 55 x 15.2 mm strands, and including couplers with up to 31 x 15.2 mm strands.
- (c) VSL Post-tensioning System for slabs with up to 5 x 12.7 mm or 5 x 15.2 mm strands.
- (d) VSL CT Stressbar System with up to 56 mm diameter coarse threaded bars.

6. Proprietary Grouting Systems

(Refer to RTA QA Specification B113)

Sika Australia Pty Ltd

SikaGrout® 300PT (au)

VSL Prestressing (Aust) Pty Ltd

VSL "optimised" grout.

7. Proprietary Rock Anchor Systems

(Refer to RTA QA Specification B114)

Australian Prestressing Services Pty Ltd (A.P.S.)

A.P.S. Ground Anchors with up to 27 x 12.7 mm strands

Austress Freyssinet Pty Ltd

Austress PSC Ground Anchor System with up to 42 x 12.7 mm or 37 x 15.2 mm strands.



DSI Pty Ltd

- (a) DSI Double corrosion protection (DCP) threadbar ground anchor Grades WR and D for bar sizes 26 mm, 32 mm, 36 mm and 40 mm only, with standard plate anchorage or bearing washer/wedge anchorage assemblies, and cylindrical couplers only.
- (b) Dywidag Threaded Bar sizes 26.5 mm, 32 mm and 36 mm.

Stewart Bros Drilling Contractors Pty Ltd

Stewart Bros Drilling Contractors (SBDC) ground anchor system with up to 7 x 15.2 mm diameter strands.

VSL Prestressing (Aust) Pty Ltd

- (a) VSL Ground Anchor System with up to 55 x 15.2 mm or 55 x 12.7 mm strands.
- (b) VSL Stressbar Ground Anchor System with up to 38 mm diameter fine thread and 40 mm diameter coarse thread.

8. Proprietary Bridging Systems

[Refer enquiries to Senior Bridge Engineer (Policy & Specifications)]

For enquiries or information regarding submitting proprietary bridge components and systems for RTA approval, contact:

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