

GROUTTEC

Precast connection solution



Dextra

Dextra Grouttec solution available at
THREADLINK

For more information, visit
www.threadlink.com.au

Product features

Groutec is a mechanical splicing system specially designed for the connection of precast concrete elements. It is designed and manufactured in compliance with Eurocode 2, ISO 15835, ACI 318 type 2, IS16172 and AASHTO code requirements.

Benefits

- Easy connection of two precast elements without in-situ wet concrete joints requirement.
- Compact, economical splicing solution with a single threaded end compatible with Dextra coupler systems (L, E, and S models), or a fully grouted, thread-free option (F model).
- Tested with grouts from leading manufacturers commonly found in local markets.
- Transition splices are possible, connecting bars with different diameters.

Full comprehensive precast ranges

Groutec L (Phasing out in 2026)

Large tolerance aims at easing your site operation by allowing a larger axial misalignment tolerance.



Groutec L
Large tolerance

Groutec E (Launching May 2026)

Evolution of the L model, featuring lower grout consumption, faster installation, and optimized dimensions.



Groutec E
Enhanced tolerance

Groutec S

Slim body allows for slimmer columns and wall panels. It also significantly reduces grout consumption and preparation time.



Groutec S
Slim outside diameter

Groutec F

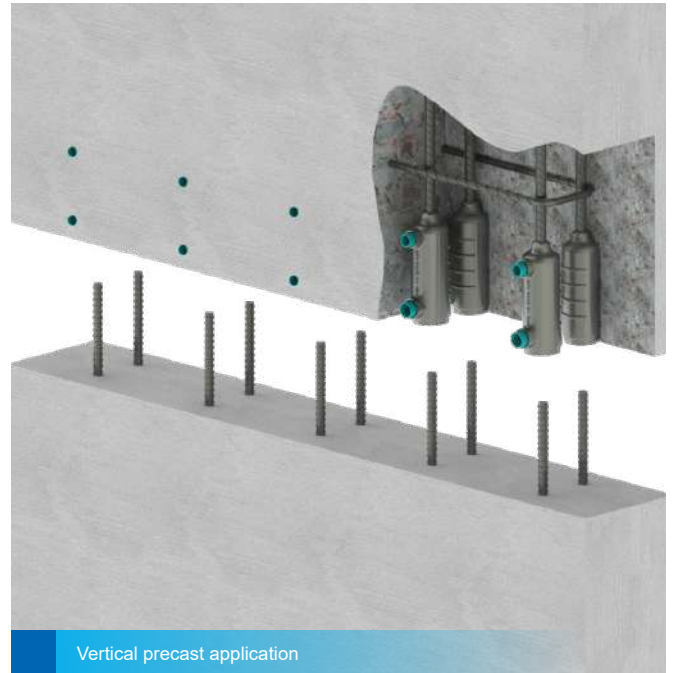
Fully grouted allows the connection of two rebars without the need of any threading procedure.



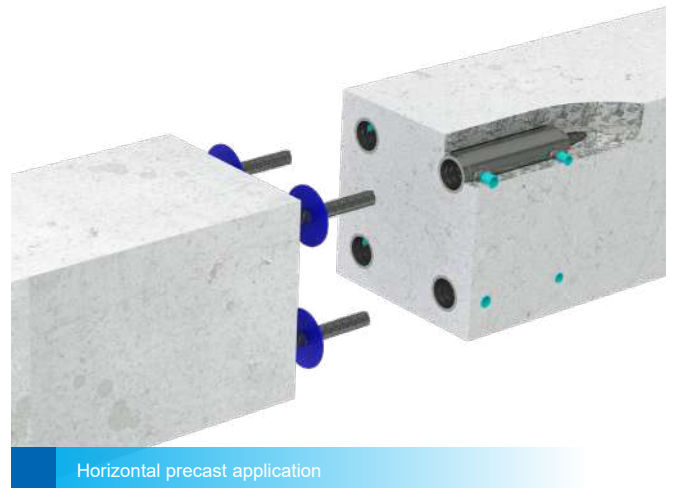
Groutec F
Fully grouted

Applications

Designed to connect precast elements either vertically or horizontally. In both applications with Groutec sleeve installed in the top element, the connection is achieved by grout injection.

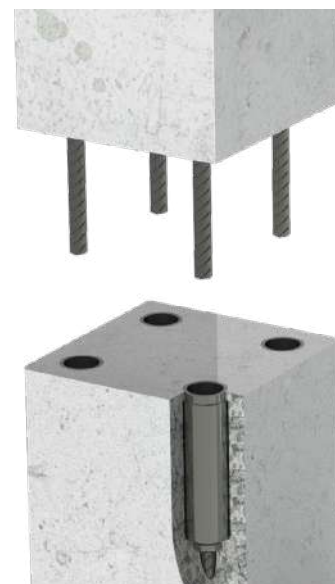


Vertical precast application



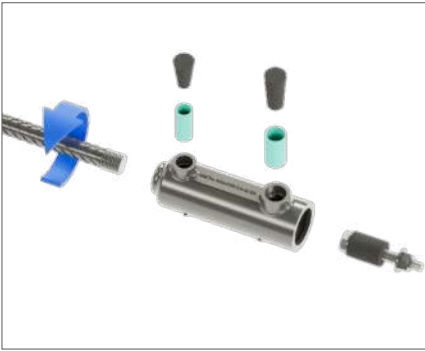
Horizontal precast application

Grout connection using Groutec in the bottom precast element is also possible. Grouting is achieved by pouring mortar into the cavity.



Installation sequence

- 1** Prepare Groutec for formwork installation (using positioner if needed).



- 2** Install reinforcement in the formwork.



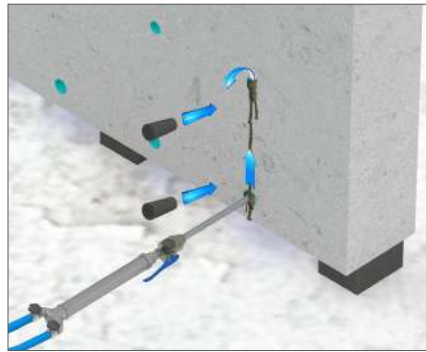
- 3** Proceed with casting. Once ready, open the formwork. Remove plugs and positioners.



- 4** Transport element to its final position over the dowel bars, straighten and brace.



- 5** Inject non-shrink grout. Seal the sleeve with plugs when grout overflows.



- 6** Bracing can be removed after setting time.



For more detailed installation and design instructions, please refer to our Assembly Instructions document available at www.dextragroup.com.

CS Connector for immediate load transfer without temporary bracing

- Eliminates temporary bracing by supporting precast elements during erection
- Provides immediate tensile and shear performance
- Allows longitudinal adjustment up to 1× bar diameter
- Accommodates up to 5 mm horizontal misalignment
- Fully compatible with Groutec mechanical coupler system



Quality assurance



For more information about product certifications, please refer to our Product Datasheets available at www.dextragroup.com.

Traceability

All Groutec sleeves are marked with a code that includes the batch number, allowing full traceability.

- Material certificate
- QC inspection report
- Product test report
- Mould number



Environmental certifications



Design tools

Groutec sleeve design files are available at www.dextragroup.com to download in the following formats:



For other formats, please consult us at cadbim@dextragroup.com.



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