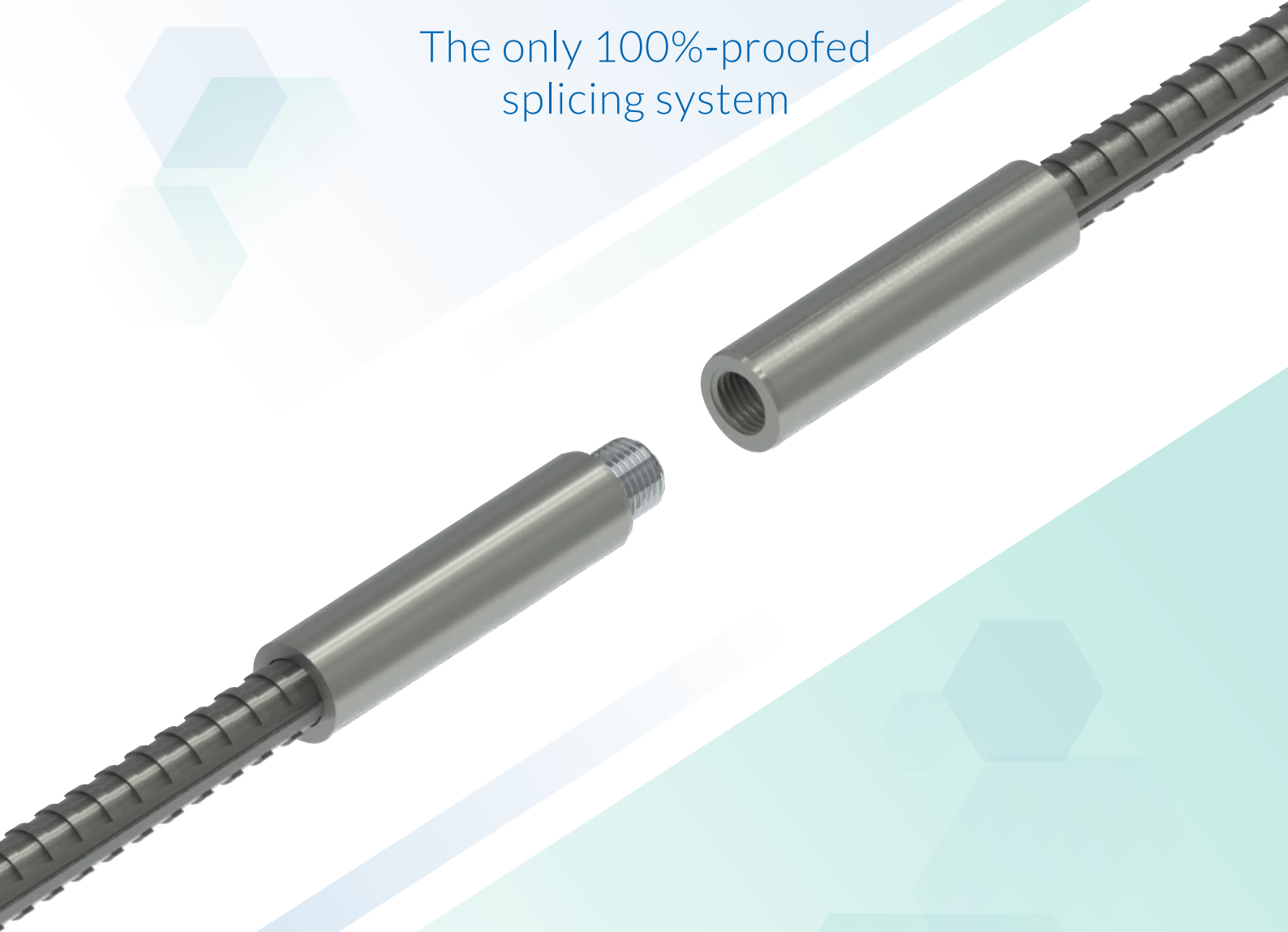


GRIP//TEC®

The only 100%-proofed
splicing system



Dextra

www.dextragroup.com



Product features

Griptec® is a full performance mechanical splice designed for the connection of concrete reinforcing bars in grade 500, from size 12 to 50 mm.

Thanks to the systematic proof-testing process of each bar end produced, there is no room for errors!

Benefits

- Every connection is proof-tested by a non-destructive tensile test during the extrusion cycle.
- No alteration of the bar.
- Standard parallel threads are used: no torque wrenching required and no risk of cross-threading.
- Visual inspection of joints is sufficient.
- Excellent fatigue performance thanks to rolled threads.
- Compact design with small outer diameter.

State-of-the-art rebar preparation equipment

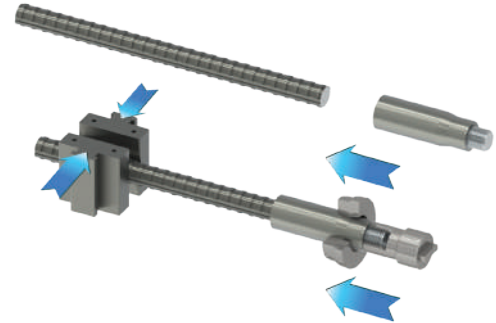
- High productivity: 30 - 38 seconds / bar end.
- One-man operation. Fully automated process.
- Low operational cost.
- Very quick reconfiguration when changing from one bar size to another.
- Pre-programmed setting of extrusion equipment and proof-testing parameters for each bar size.
- Fit any reasonable shear cut.
- No dirty lubricant and machining chips.
- Griptec® self-contained extrusion machines are CE-marked as per the European Directive on the safety of machinery and are compliant with OSHA regulations.



Automatic 2-step process

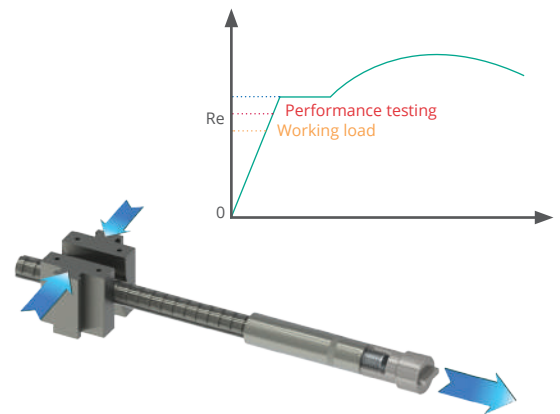
STEP 01 Extrusion

- The sleeve is placed over the rebar end and inserted into the Griptec® machine.
- The extrusion cycle starts automatically. The sleeve is extruded over the bar end.



STEP 02 Performance testing

After the extrusion, the connection is automatically proof-tested by the Griptec® machine. This systematic cycle confirms a performance above the prescribed design load for all bar ends prepared.



Griptec machine

Splicing methods

Standard splice

Standard Griptec® splices use a standard female coupler and a standard male coupler of the matching size.



Position splice

When neither bar can be rotated, the Griptec® splice system uses a "Position set" that connects the standard male and female sleeves. This is composed of a threaded stud, a position nut and a lock nut.

The set is first screwed into the female sleeve, the position nut is then screwed back onto the male sleeve and the lock nut is tightened against the position nut to complete the connection.



Smaller diameter rebar

Transition splice

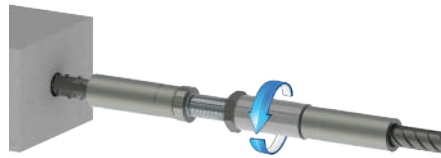
When there is a need to splice bars of different sizes, Griptec® uses standard female couplers, simply joining them with a specific threaded stud.

Larger diameter rebar

Bridging splice

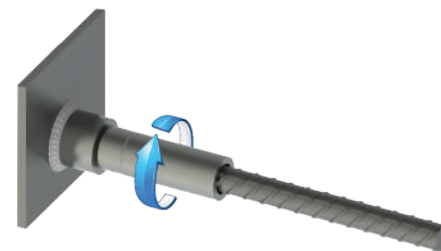
When the bars cannot be brought end to end, Griptec® bridging splice is the answer.

This is a variant of the Position set, with a longer threaded stud. Gaps of up to one bar diameter can be bridged by this set.



End anchors

An efficient and easy-to-install alternative to hooked bars especially in congested areas. Griptec® end anchors are available in two sizes, with a net bearing area of 4 times or 9 times the cross-section of the bar.



Weldable couplers

For composite construction where concrete reinforcement bars must be connected to structural steel, Griptec® weldable couplers, specially made from low carbon steel, are available.

Applications



Slab connection



Wall connection



Vertical connection

Quality assurance



TH015960



QSC-706



Approvals & Certifications



N° M02/004



N° Z-1.5-133



Austrian Ministry for Transport, Innovation and Technology





Flamanville nuclear power plant EPR, France



Heathrow Terminal 5, U.K.



Fuqing reactors 5&6, China



Commercial presence
in more than
55 countries



Dextra

HEADQUARTERS THAILAND
Dextra Manufacturing Co.,Ltd.
Tel: (66) 2 021 3800

CHINA
Dextra Building Products (Guangdong) Co.,Ltd.
Tel: (86) 20 2261 9901

HONG KONG
Dextra Pacific Ltd.
Tel: (852) 2511 8236

EUROPE
Dextra Europe SARL
Tel: (33) 1 45 53 70 82

MIDDLE EAST
Dextra Middle East FZE
Tel: (971) 4886 5620

INDIA
Dextra India Pvt.,Ltd.
Tel: (91) 22 2839 2694

NORTH AMERICA
Dextra America Inc.
Tel: (1) 206 742 6020

LATIN AMERICA
Dextra Latam
Tel: (507) 831 1422

BRAZIL
Dextra do Brasil
Tel: (55) 119 7577 8112