



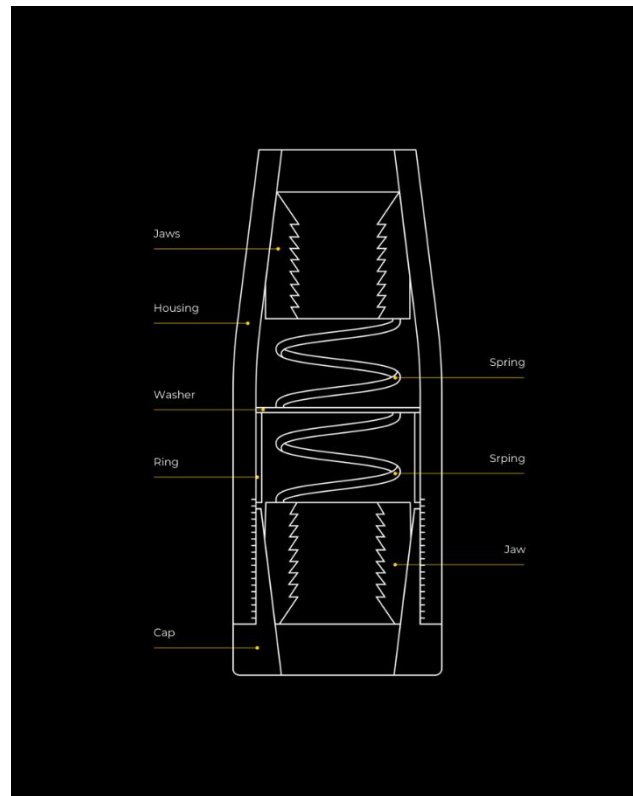
HD ONE TOUCH MECHANICAL REBAR COUPLER INSTALLATION PROCEDURE

PREPARED BY: GLACIER GROUP

ONE MAN. ONE TOUCH. FASTER BUILD



SYSTEM OVERVIEW



Internal Locking Mechanism

PRODUCT DESCRIPTION

The HD One Touch Mechanical Rebar Coupler is a proprietary mechanical splice system designed to connect reinforcing bars without threading, welding or rotation of the reinforcement bar during installation.

The internal spring-loaded serrated jaw mechanism engages the reinforcing bar upon insertion creating a positive mechanical connection.

The system is designed to eliminate the need for threaded reinforcing bar ends and specialised installation tooling, providing a simple and repeatable installation process.



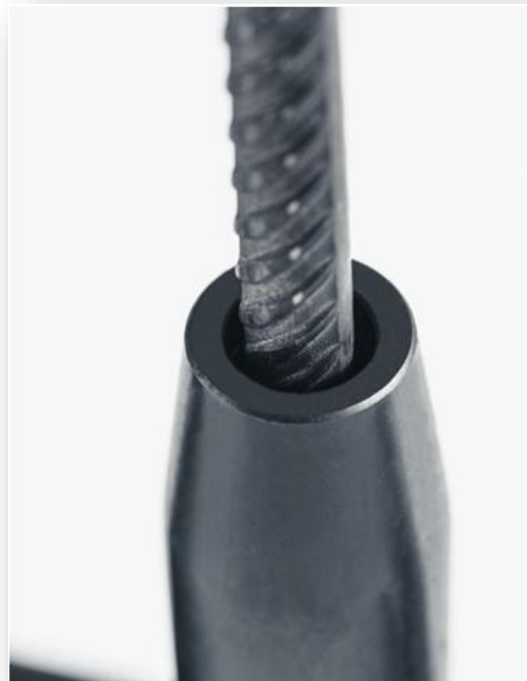
REBAR PREPARATION



Acceptable and Non-Acceptable Rebar End Preparation

Prior to installation:

- Rebar ends shall be cut square.
- Rebar ends shall be free from deformation.
- Rebar ends shall be free from burrs.
- Rebar ends shall be lightly chamfered.
- Bent or mushroomed rebar ends shall not be used





INSTALLATION PROCEDURE

Step 1 Install Coupler to First Reinforcing Bar

Firmly push the coupler onto the prepared reinforcing bar until positive engagement occurs and an audible click is heard



Step 2 Install Second reinforcing bar.

Insert the second reinforcing bar into the opposite side of the HD One Touch Rebar Coupler until positive engagement occurs and an audible click is heard.



Step 3 Completed Installation

Installation is complete once both reinforcing bars are fully inserted and engaged within the coupler body



QUALITY ASSURANCE



*Example only

Coupler Identification and Traceability Marking

Each coupler incorporates a unique identification marking enabling traceability back to manufacturing and production records.

POST INSTALLATION INSPECTION CHECKLIST

Item	Requirement
Coupler Size	Correct
Rebar Size	Correct
Rebar Ends	Square & Deburred
Coupler Condition	No Damage
Installation	Complete
Traceability Mark	Visible
Visual Inspection	Passed
Audible Click	Confirmed



PRODUCT COMPLIANCE

The OneTouch Mechanical Rebar Coupler system is manufactured under an ISO 9001 Quality Management System and has undergone independent assessment and testing against applicable Australian requirements.

Agency	Standard	Certification #
	ISO 9001: 2015	JK-17491
	TFNSW APPROVAL OF MECHANICAL REINFORCING BAR SPLICES SF2013/184115, ISSUE 4, OCTOBER 2022	
Agency	Standard	Report #
	AS/NZ 3600:2018 Concrete Structures , AS 5100.5:2017 Bridge Design,	LS20: 1058,1836- 1,1836-2,1836-3,1836- 4,1836-5,1836-6
	Product Compliance Reports AS 1391-2020 METALLIC MATERIALS - TENSILE TESTING METHOD OF TEST AT ROOM TEMPERATURE AS/NZS 4671:2019 STEEL FOR THE REINFORCEMENT OF CONCRETE	

- TfNSW Proprietary Components Register Listed
- OneTouch HD12-HD36
- Suitable for D500N Reinforcing Bar
- No Bar Threading Required
- No Welding Required
- Rapid Mechanical Splice System
- No Specialised Installation Tools Required



TYPICAL APPLICATIONS

- Tunnels
- Bridge structures
- Pile caps
- Core walls
- Lift shafts
- Precast construction
- Retaining structures

