

SLC-SCREWLOK Coupler

Description

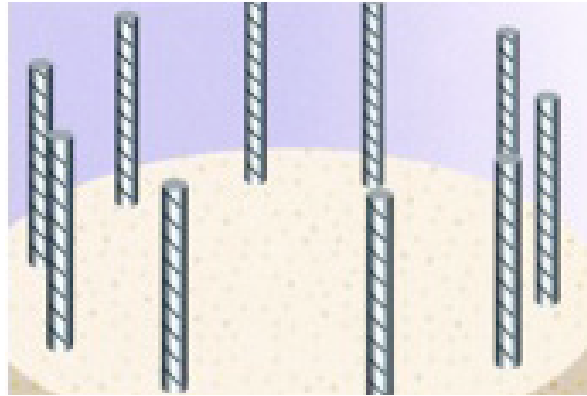
The SCREWLOK Coupler is a simple solution for joining reinforcing bars, particularly suitable when one bar is already fixed in position. The bars are locked in the coupler by a series of screws which shear off when tightened to the required torque. The force from the screws causes the rebar deformations to interlock within the coupler. The screws embed themselves into the rebar surface. This dual mechanical action results in a full positive connection for transferring tension or compression force from bar to bar.

Advantages

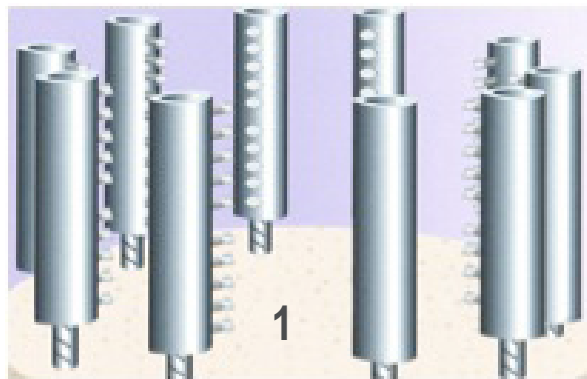
Easy to use and visual check of correct installation. No special preparation to reinforcing bar ends and no need to rotate bars. No special equipment or training needed. Capacity to exceed 125% x specified yield of Feb 500 reinforcing bar.

Suitable for all sizes of standard deformed reinforcing bars from 12 mm to 50 mm.

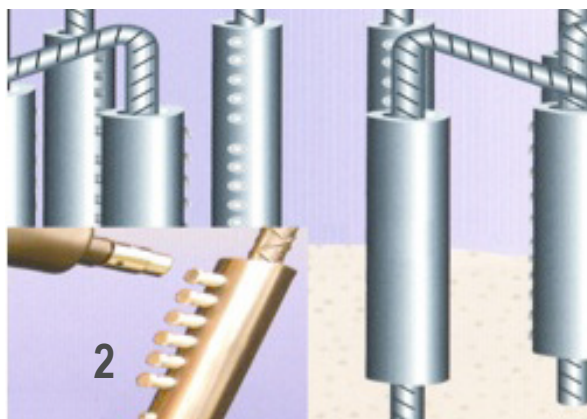




Bar fixed in position



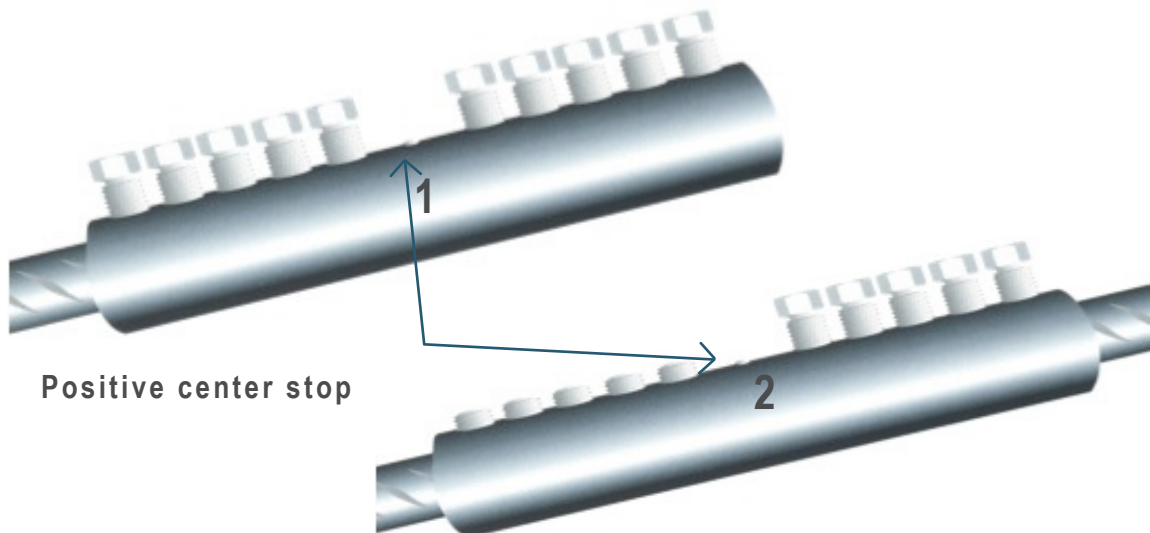
Couplers slides over the bar



Join reinforcing bars
Tighten until screws head breaks off

Installation

- 1) Slide the Screwlok coupler over one of the rebar ends until the rebar touches the positive centre stop of the coupler. Using an impact wrench and a socket, tighten the break-off screws by following the instruction supplied with your order. Tighten each screw until the head of the screw breaks off.
- 2) Once the screws on the first side have been tightened down and heads broken off, insert the other rebar into the coupler until it butts up against the centre stop. In the same order as the first side, tighten the screws until the heads break off.



**Couplers for rebars
size 40mm to 50mm**



**Couplers for rebars
size 12mm to 32mm**

Do not use these couplers in conjunction with rebar which is larger or smaller than the intended bar size.

Fixing Advise

For fastest installation, use an air or electric driven impact wrench and suitable socket. Make sure the impact wrench is rated to achieve at least the minimum impact wrench torque specified in chart hereunder to avoid stalling.

When manually tightening the screws, use only a good quality wrench and hexagon socket, which can attain the torque specified.

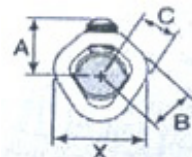
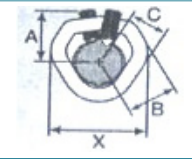
If removal of the centre stop is necessary, use a hammer and punch or large nail to tap it out of the coupling body.

Replace missing screws immediately with Screwlok SLC special screws only. Do not allow threaded holes to rust.

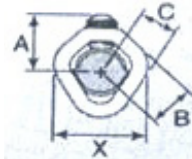
If bars are corroded, removal of rust / corrosion must be performed to the same degree as that required to bond with concrete prior to installing the Screwlok SLC coupler. Testing of old or severely corroded bars is recommended to ensure the integrity of the adjoining bars and compliance to design requirements.

The Screwlok SLC coupler is not suitable for use on curved rebars.

Sizes of the Screwlock coupler

SLC	End view	Rebar size mm	Length mm	A mm	B mm	C mm	X mm
SLC-12		12	178	27	15,9	13	35
SLC-16		16	229	29	19	16	41
SLC-20		20	279	30	24	17	44
SLC-25		25	387	33	27	22	57
SLC-32		32	486	43	37	29	70
SLC-40		40	360	59	44	38	95
SLC-50		50	572	64	57	46	111

Sizes of the Screwlock TRANSITION coupler

SLC-T transition coupler	End view	Rebar size mm	Length mm	A mm	B mm	C mm	X mm
SLC-T-12/16		.12/16	204	27 / 29	16 / 19	13 / 16	35 / 41
SLC-T-16/20		.16//20	254	29 / 30	19 / 24	16 / 17	41 / 44
SLC-T-20/25		.20/25	333	30 / 33	24 / 27	17 / 22	44 / 57
SLC-T-25/32		.25/32	437	33 / 43	27 / 37	22 / 29	57 / 70