

MECHANICAL REINFORCING BAR SPLICING SYSTEM

rollCOUP Coupler

PROPERTIES

- Meets or exceeds the requirements of major international building codes
- A wide range of international rebar grades and deformation patterns can be used
- Rolled Parallel Thread System gives a clear look and eliminates losing of connection strength via slipping
- Installs easily and fast
- Slim design reduces concrete cover
- Available in sizes 12 mm - 40 mm
- Allows simple visual inspection



Rollcoup is a rolled parallel threaded mechanical splicing system designed for the connection of concrete reinforcing bars. Rollcoup is designed to splice the same diameter bars where at least one bar can be rotated and moved freely in its axial direction. The couplers are machined to have parallel threads inside which create a mechanical connection of two corresponding reinforcing steel. Thanks to its rolled threading process, the fatigue resistance of Rollcoup is much better than that specified in the AASHTO code.

Typical applications include splicing of the column bars (or shearwalls), splicing of the beam bars, future extensions and segmental pours of concrete.

Rollcoup couplers are designed to meet or exceed major international building codes and Department of Transportation requirements, including:

AASHTO	ACI 349	IBC Type 1 (125% Specified Yield)	NF A 35-020-1
ABNT NBR 8548:1984	ACI 359	IBC Type 2 (Specified Ultimate)	NF EN 1992-1-1
ACI 318 Type 1 (125% Specified Yield)	AS3600	ISO 15835	Turkish Seismic Code 2018
ACI 318 Type 2 (Specified Ultimate)	Eurocode 2	GOST 34278	US Army Corps of Engineers

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SIMPLE INSTALLATION


1. Remove the protecting cap from the rebar.



2. Screw the coupler on the threaded bar.



3. Align the corresponding rebar. Rotate the rebar to the middle of coupler.

Product Code	Metric [mm]	Bar Sizes		Outside Diameter (*)		Length		Unit Weight (*)	
		US	Canada	[mm]	[“]	[mm]	[“]	[kg]	[lb]
RLCP12	12	#4	10M	19	3/4	38	1-1/2	0.05	0.12
RLCP14	14	-	-	24	15/16	42	1-21/32	0.09	0.2
RLCP16	16	#5	15M	29	1-9/64	47	1-27/32	0.14	0.31
RLCP18	18	-	-	34	1-11/32	50	1-31/32	0.21	0.47
RLCP20	20	#6	20M	34	1-11/32	54	2-1/8	0.22	0.49
RLCP22	22	#7	-	39	1-17/32	58	2-9/32	0.28	0.62
RLCP26	26	#8	25M	39	1-17/32	66	2-19/32	0.29	0.64
RLCP28	28	#9	30M	44	1-47/64	68	2-43/64	0.42	0.93
RLCP30	30	-	-	49	1-59/64	70	2-3/4	0.57	1.26
RLCP32	32	#10	-	49	1-59/64	72	2-53/64	0.58	1.28
RLCP36	36	#11	35M	54	2-1/8	82	3-15/64	0.78	1.72
RLCP40	40	-	-	59	2-21/64	90	3-35/64	0.91	2.01

(*) Bar diameters and weights may vary by country.

NOTES

- Dimensions shown in chart are typical.
- It is recommended to lock the splices using a wrench. No specific torque needed.
- It is recommended to store away the thread protecting caps for reuse.
- Refer to the complete product installation instructions before starting the installation.

Regnum Construction
 Reinforcing Bar
 Splicing System
<http://tiny.cc/regnum>

