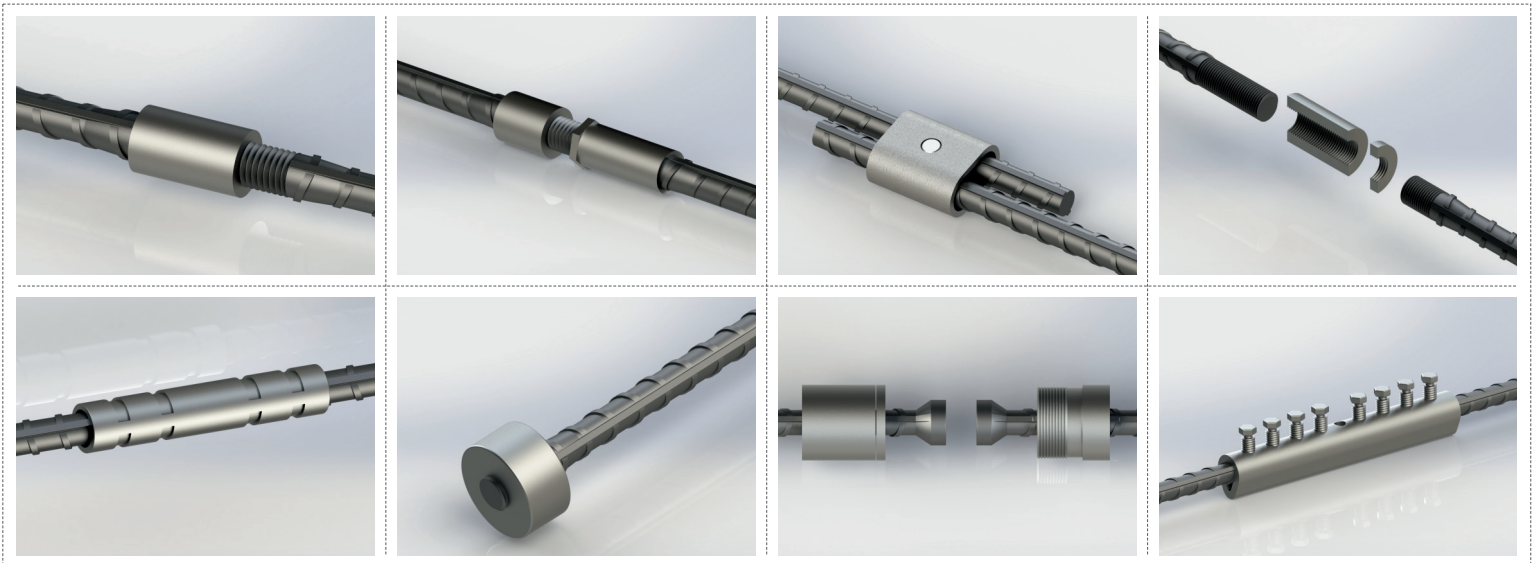


# MECHANICAL REBAR COUPLER



**REGBAR**  
CONSTRUCTION TECHNOLOGY SOLUTIONS

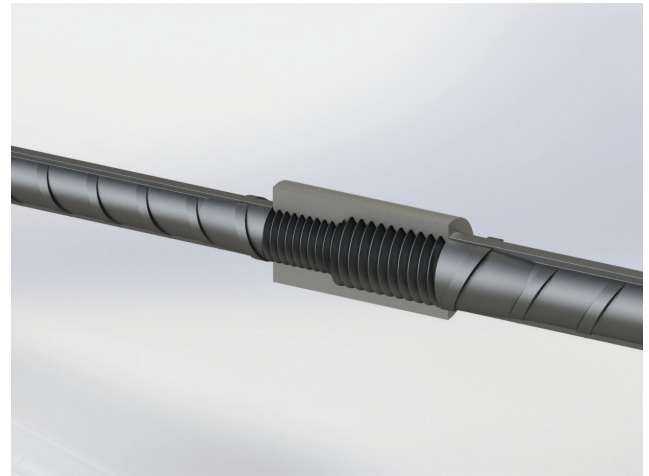
**transCOUP**

## MECHANICAL REINFORCING BAR SPLICING SYSTEM

# transCOUP 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
- ▶ Upset Parallel Thread System 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



Transcoup Couplers are designed to splice different 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.

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

Transcoup 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	NEN EN 1992-1-1	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 two rebar. Rotate the rebar to the middle of coupler.

Product Code	Bar Sizes			Outside Diameter (*)		Length		Unit Weight (*)	
	Metric [mm]	US	Canada	[mm]	[ " ]	[mm]	[ " ]	[kg]	[lb]
TRCP16	16/12	#5/#4	15M/10M	29	1-9/64	43	1-11/16	0.1	0.23
TRCP20	20/16	#6/#5	20M/15M	34	1-11/32	51	2-1/64	0.18	0.4
TRCP26	26/20	#8/#6	25M/20M	39	1-17/32	60	2-23/64	0.26	0.58
TRCP28A	28/20	#9/#6	30M/20M	44	1-47/64	61	2-13/32	0.32	0.71
TRCP28	28/26	#9/#8	30M/25M	44	1-47/64	67	2-41/64	0.36	0.8
TRCP32	32/26	#10/#8	-	49	1-59/64	69	2-23/32	0.44	0.98
TRCP36	36/32	#11/#10	-	54	2-1/8	77	3-1/32	0.68	1.5
TRCP40	40/32	-	-	59	2-21/64	81	3-3/16	0.75	1.66

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

### NOTES

- Dimensions shown in chart are typical.
- Additional diameters available upon request.
- 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.

Regbar Construction  
Technology



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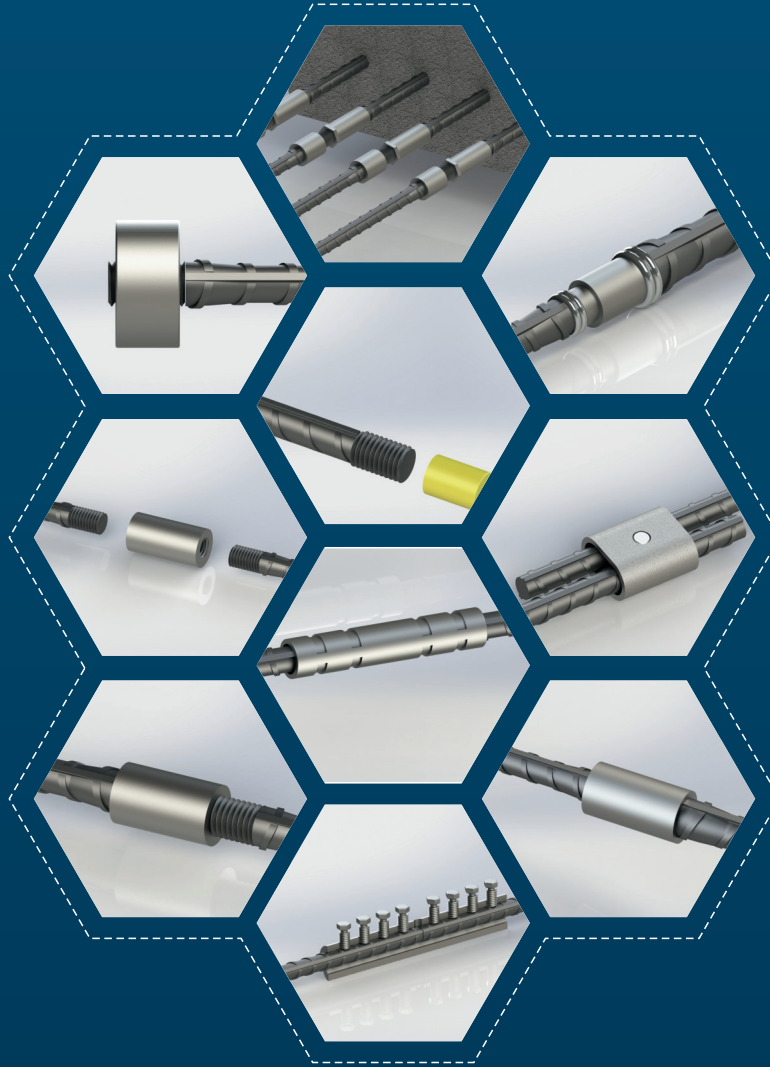
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