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ABOUT US

BARUS® LLC, incorporated in California, USA, is a global design, manufacturing and service company of engineered splice solutions for the heavy construction industry. BARUS mechanical reinforcing bar couplers, anchorage, structural products, precast connectors and similar valueadded engineered splice systems offer a variety of solutions to meet the challenges of heavy construction.

Powered by manufacturing and engineering capabilities, BARUS is committed to exceptional customer satisfaction, sustainable product initiatives and service quality at every job site. Because BARUS values our customers, we employ a dedicated staff of administrators, engineers, and technicians to ensure that we provide the best customer service possible.



DESIGN

Our Research and Development team is comprised of skilled Mechanical, Civil and Industrial Engineers. These dedicated professionals specialize in rebar splice solutions for challenging construction projects. In addition to the products in our catalogs, we can custom design special mechanical connectors and a variety of other engineered steel products to fit the needs of each project. For large-scale projects, we also offer solutions for your rebar splice design problems.

PRODUCTION

BARUS production follows the guidelines established by our Quality Assurance Program and we are certified by an ISO 9001 Quality Management Systems accredited agency. Our certification was granted because quality and accountability are two major pillars in our production process. All of our materials, documents and processes are carefully filed for traceability and a tracing code is printed on each product we produce.

BARUS also manufactures rebar splicing solutions locally to avoid long lead times, transportation and customs issues, and the expenses of manufacturing abroad.



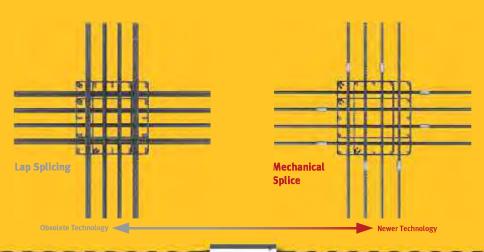


SERVICE

BARUS assists our customers throughout the entire production process: from concept and design to the installation at the job site. Our aim is to provide the most applicable and economical design solutions for mechanical couplers.

Along with our design and manufacturing abilities, we also offer an extensive array of related services, such as rebar upsetting and threading, at your job site. In addition, our equipment and technicians are available for the duration of the project so that you don't need to purchase any equipment or hire extra technicians.

BENEFITS of MECHANICAL SPLICING



WHY A MECHANICAL SPLICE?

High Tech Mechanical Coupler

Due to the growing technical challenges faced in today's construction industry, traditional methods for connecting rebar, such as lapping or welding, are no longer the best methods to connect rebar. More and more construction codes are specifying a mechanical coupler because it provides better structural integrity while minimizing costs. Here you can find some benefits of using BARUS mechanical couplers listed below:

- More reliable and more structural integrity than lap splices because they no longer rely on the concrete for load transfer
- Lowers the risk of rock and air pockets by reducing rebar congestion
- Efficient and easy design options result in smaller and stronger columns with the maximum amount of useful area
- Avoids drilling and/or cutting forms, especially in crane, elevator openings, and stairwells
- Installs easily and quickly

- Reduces the amount of rebar, which reduces the labor and crane time improving the construction schedule
- No lapping length necessary reduces inventory which lowers cost
- Better splice inspection lowers quality control costs
- Allows for same line splicing no staggered splices
- Minimizes rebar waste

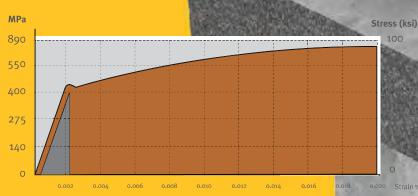
1900s Obsolete connection method

SIMPLICITY

allows for the design of fast, easy, economic, and ultimately, enjoyable construction projects.

More and more engineers are specifying mechanical rebar connections over lap splices. They have found that mechanical connections provide reliability and consistency that can not be found in lap splicing.

Stress - Strain Diagram



Mechanical Splice Design Value

Lap Splice Design Value

OUR **PRODUCTS**

Due to the growing technical challenges faced in today's construction industry, traditional methods for connecting rebar, such as lapping or welding, is no longer the best method to connect rebar. Mechanical coupler is an effective method of connecting rebar which provides better structural integrity while minimizing costs.

The BARUS range of reinforcing bar couplers is the most comprehensive available and includes SimGrip parallel threaded, GripLock swage and Jawws shear bolt mechanical couplers.

All BARUS products require use of BARUS egipments and accessories to ensure that they will consistently perform and produce related test requirements.

simCRIP™ system

Mechanical Coupler

Upset Parallel Thread System BARUS SimGrip™ System is a mechanical coupler comprised of a steel sleeve which is internally threaded with a single right hand thread. The ends of bars are upset and threaded. The SimGrip™ family of upset parallel thread mechanical couplers requires a BARUS cold upset press and a tangential rebar threading machine.



The parallel threaded Anchor-Nut[™] provides an alternative method of creating a simpler and more effective rebar end anchorage than the traditional hooked rebar within the concrete.

TEX system

Tapered Thread Mechanical Coupler for Reinforcing Bars

BARUS TTEX[™] System is a taper threaded mechanical coupler comprised of a steel sleeve which is internally threaded with a single right hand thread. The ends of bars are taper threaded.

TTEX™ family of tapered thread mechanical couplers requires a BARUS taper threading machine.



Jawws[™] Shear Screw Mechanical Couplers are comprised of a high quality steel body which is installed on a reinforcing bar with TC Bolts. Because the TC Bolts are screwed into the coupler, the studs in the coupler provide a mechanical interlock between the reinforcing bar and the coupler's inner wall. This is an improved interlock mechanism by creating a stronger interlock in a shower sleeve body. Jawws™ Shear Screw Mechanical Couplers can be installed using an impact wrench provided by BARUS.

Shear Screw Mechanical Coupler

griplock™system

Cold Swage System Mechanical Coupler

The Griplock[™] System coupler is swaged onto the reinforcing bar's ribs to produce a mechanical interlock. Rebars are swaged onto the coupler. Griplock™ Cold Swage System Mechanical Couplers are a fast, economic and easy way to splice deformed reinforcing bars. The Griplock™ family of cold swage mechanical couplers requires a BARUS cold swage, bench and/or portable press.

GripLock™ SL is a sleeve-type coupler that slips over the ends of deformed reinforcing bars and swaged with a BARUS bench and/or portable press to produce a mechanical interlock between the deformed rebar profile and the sleeve coupler.

griplock™sl

TYPICAL APPLICATIONS

- Slab to wall connection,
- Precast beam to wall connection,
- Column construction,
- New construction, repair and retrofit,
- Precast element-to-precast element connection,
- Access openings,
- Rebar cage prefabrication,
- Rebar anchorage and termination.

Stairwell Application with Formwork Adapter



Concrete to Steel Connection Application with



Slab to Wall Connection Application with Anchor Nut™ and SimGrip™ LT



BARUS Anchor Nut™ and SimGrip™ LT

provide an effective total
solution for connecting and
anchoring rebar in concrete.

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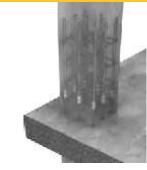
ebar Anchorage / Termination Application with Anchor Nut





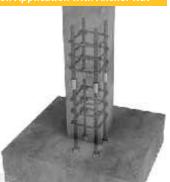
Column Application with SimGrip™ LT

BARUS SimGrip™ LT produces a mechanical bar to bar connection that requires no special tools.



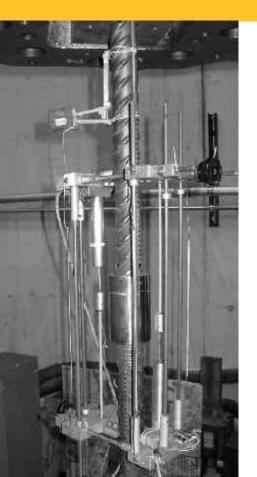
Foundation Application with Anchor Nut™

BARUS Anchor Nut™ replaces a traditional hooked rebar in foundations, pile caps and column footings to help simplify rebar placement and reduce rebar congestion.



SUSTAINABLE QUALITY ASSURANCE SYSTEM

BARUS Quality Control and Quality Assurance Systems provide sustainable quality for engineering, products and services.



Under the BARUS Quality Assurance Program, codes are stamped on all of our mechanical couplers. These codes allow the couplers to be traced back to the original lot of steel and the mill which produced it. Certified Material Test Reports (CMTR) are archived for future use as required.

BARUS couplers provides Full-Tension splice, bar break under tensile tests.

BARUS mechanical couplers are designed to exceed 125% of the specified yield strength in the US when used with Grade 60 rebars.

Bar Break performance for all standard rebars (Q12 - Q58)

BARUS Mechanical Couplers are designed to comply with:
ACI 349, ASME III DIV2 (ACI 359), ACI 318, Eurocode 2,TS 500,
DBYBHY, GOST R 52544, CSA CAN 3 – N2872, ISO 15835, BS8110,
DIN 1045, NF35-20-1, JGJ107.



TYPICAL TEST RESULTS

Nominal Bar Size Dia. mm	Yield Stress (N/mm ²)	Ultimate Stress (N/mm ²)	Tensile/ Yield Stress Ratio	Elongation %	Failure Mod
16	465	587	1.26	18	Bar Break
20	466	596	1.28	20	Bar Break
25	488	625	1.28	18	Bar Break
32	479	604	1.26	20	Bar Break
40	495	629	1.27	18	Bar Break
50	518	669	1.29	17	Bar Break

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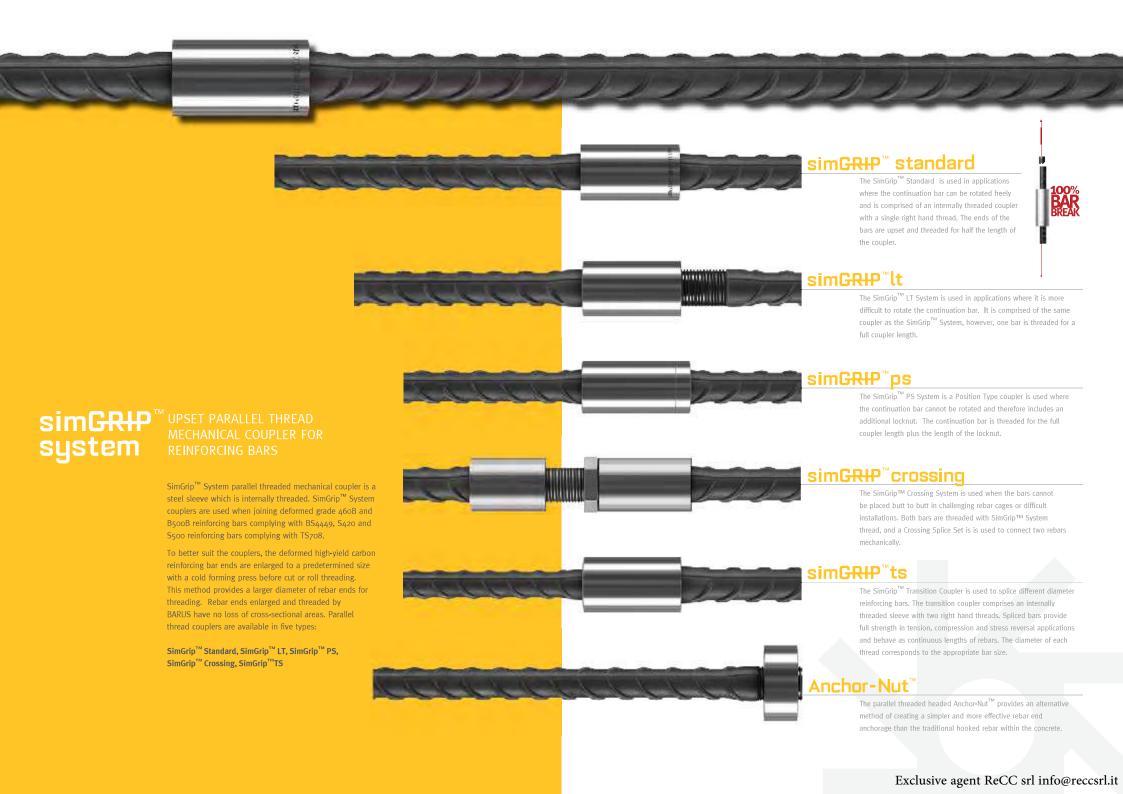






STRENGTH

provided by the coupler offers a solution for handling and moving massive reinforcing structures.









BEFORE

Openings to be closed in Top Down Construction – Shangri-La Hotel Project AFTER

Closing of openings in Top Down Construction – Shangri-La Hotel Project

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BARUS simGRIP™ system **EQUIPMENTS**

Machines and equipment provided are designed and manufactured by BARUS and have received CE and ISO 9001 quality certifications.

Equipment is packaged and shipped "shop ready" to operate and comes complete with a cold forging press, threading machine, band saw and grinding machine.

BARUS SimGrip[™] equipment is usually located on the rebar supplier's premises and the couplers are supplied pre-fixed to the threaded bar ends. For large projects where bar end preparation can be carried out onsite, equipment can be made available for hire.



The BARUS method enlarges the rebar ends using a BARUS cold forging press. This method proves a larger diameter of rebar for threading. Rebar ends enlarged and threaded by BARUS have no loss of cross-sectional areas.





Rebar end is cut threaded by BARUS bench threading machine. designed and manufactured for this purpose











Threads on a



Threads on an upsetted rebar.

UPSETTING?

WHY Upsetting a system provides a larger diameter for the rebar end to be threaded. Rebar ends enlarged and threaded by BARUS have no loss of cross-sectional areas. Note the reduced crosssectional area of the non-upsetted rebar.



CONTINUITY

of reinforcing bars is an added value in structures that are going to be lived in.

simGRIP™standard INSTALLATION



Bar Diameter	12	14	16	18	20	22	25	28	30	32	36	40	
External Dia (d)(mm)	17	20	25	28	30	35	36	40	43	45	50	55	7
Coupler Length (I)(mm)	30	35	40	45	49	51	59	63	65	70	80	82	1
Thread Size (Metric)	M14X2,0	M16x2,0	M20X2,5	M22X2,5	M24x3,0	M27X3,0	M30x3,5	M33x3,5	M36x4,0	M36x4,0	M39x4,0	M45x4,5	M5
Color Code	Orange	Purple	Pink	Grass Green	Dark Green	White	Blue	Levander	Grey	Yellow	Brown	Red	ВІ
Weight (kg)	0.04	0.07	0.09	0.12	0.16	0.26	0.32	0.43	0.50	0.58	0.87	1.13	1.
Product Code	SG12	SG14	SG16	SG18	5G20	5G22	SG25	5G28	SG30	SG32	SG36	SG40	50
Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18			
External Dia (d)(inch)	5/8	1	1 1/8	1 3/8	1 3/8	1 5/8	1 6/8	2	2 3/8	3 3/8			
Coupler Length (I)(inch)	1 1/8	1 5/8	1 7/8	2	2 3/8	2 4/8	2 6/8	3 1/8	3 4/8	4 4/8			
Thread Size (UNC)	5/16-18	3/8-24	7/16-20	1/2-13	1/2-20	9/16-12	9/16-18	5/8-11	3/4-16	1"-14			
Color Code	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Black			
Weight (lbs)	0.09	0.20	0.35	0.57	0.71	0.95	1.28	1.92	2.68	4-95			
Product Code	SGI#4	SGI#5	SG I #6	SG l #7	SGI#8	SGI#9	SG l #10	SG l #11	SG l #14	5G l #18			

01

Screw the coupler onto the fixed bar until it hits the end of the threading and lock tight. The bar end should be centered within the coupler.



02

Remove the plastic caps from the coupler and rebar.



COATING OPTIONS

Epoxy coated mechanical couplers for splicing epoxy coated bars that comply with ASTM A775/A775M.

Hot dip galvanized mechanical couplers for splicing galvanized bars that comply with ASTM A767/A767M.

Stainless steel SimGrip [™] couplers for splicing stainless steel bars and special use.

After tightening, there should be no more than 2-4 mm of thread exposed depending on the diameter of the rebar. Detailed visual control and quality assurance information are available upon request.

Contact BARUS for reusable accessories and waste-reducing products for LEED and environmentally friendly projects.



Attach the continuation bar into the coupler and rotate as far as the continuation bar will turn.



04

Tighten the joint using a wrench on the continuation bar.



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The SimGrip[™] System is used in applications where the continuation bar can be rotated freely and is comprised of an internally threaded coupler with a single right hand thread. The ends of the bars are upset and threaded for half the length of the coupler.



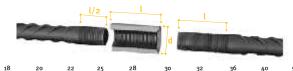








simGRIP™lt INSTALLATION



External Dia (d)(mm)	17	20	25	28	30	35	36	40	43	45	50	55	7
Coupler Length (I)(mm)	30	35	40	45	49	51	59	63	65	70	80	82	10
Thread Size (Metric)	M14X2,0	M16X2,0	M20X2,5	M22X2,5	M24x3,0	M27X3,0	M30x3,5	M33x3,5	M36x4,0	M36x4,0	M39x4,0	M45x4,5	M56
Color Code	Orange	Purple	Pink	Grass Green	Dark Green	White	Blue	Levander	Grey	Yellow	Brown	Red	Bla
Weight (kg)	0.04	0.07	0.09	0.12	0.16	0.26	0.32	0.43	0.50	0.58	0.87	1.13	1.9
Product Code	SGLT12	SGLT14	SGLT16	SGLT18	SGLT20	SGLT22	SGLT25	SGLT28	SGLT30	SGLT ₃₂	SGLT36	SGLT40	SGL
Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18			
External Dia (d)(inch)	5/8	1	1 1/8	1 3/8	1 3/8	1 5/8	1 6/8	2	2 3/8	3 3/8			
Coupler Length (l)(inch)	1 1/8	1 5/8	1 7/8	2	2 3/8	2 4/8	2 6/8	3 1/8	3 4/8	4 4/8			
Thread Size (UNC)	5/16-18	3/8-24	7/16-20	1/2-13	1/2-20	9/16-12	9/16-18	5/8-11	3/4-16	1"-14			
Color Code	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Black			
Weight (lbs)	0.09	0.20	0.35	0.57	0.71	0.95	1.28	1.92	2.68	4-95			
Product Code	SGLTI#4	SGLTI#5	SGLTI#6	SGLTI#7	SGLTI#8	SGLTI#9	SGLTI#10	SGLT#11	SGLT#14	SGLTI#18			

COATING OPTIONS

Bar Diameter

Epoxy coated mechanical couplers for splicing epoxy coated bars that comply with ASTM A775/A775M.

Hot dip galvanized mechanical couplers for splicing galvanized bars that comply with ASTM A₇6₇/A₇6₇M.

Stainless steel SimGrip [™] couplers for splicing stainless steel bars and special use.

After tightening, there should be no more than 2-4 mm of thread exposed plus half the length of the coupler depending on the diameter of the rebar. Detailed visual control and quality assurance information are available upon request.

Contact BARUS for reusable accessories and waste-reducing products for LEED and environmentally friendly projects.

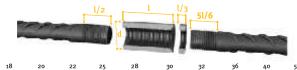




simGRIP™ps INSTALLATION

100 M56x5,5 Black

SGLT50



External Dia (d)(mm)	17	20	25	28	30	35	36	40	43	45	50	55
Coupler Length (I)(mm)	30	35	40	45	49	51	59	63	65	70	80	82
Thread Size (Metric)	M14X2,0	M16X2,0	M20X2,5	M22X2,5	M24x3,0	M27X3,0	M30x3,5	M33x3,5	M36x4,0	M36x4,0	M39x4,0	M45x4,5
Color Code	Orange	Purple	Pink	Grass Green	Dark Green	White	Blue	Levander	Grey	Yellow	Brown	Red
Weight (kg)	0.04	0.07	0.09	0.12	0.16	0.26	0.32	0.43	0.50	0.58	0.87	1.13
Product Code	SGLT12	SGLT14	SGLT16	SGLT18	SGLT20	SGLT22	SGLT25	SGLT28	SGLT30	SGLT32	SGLT36	SGLT40
Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18		
External Dia (d)(inch)	5/8	1	1 1/8	1 3/8	1 3/8	1 5/8	1 6/8	2	2 3/8	3 3/8		
Coupler Length (l)(inch)	1 1/8	1 5/8	1 7/8	2	2 3/8	2 4/8	2 6/8	3 1/8	3 4/8	4 4/8		
Thread Size (UNC)	5/16-18	3/8-24	7/16-20	1/2-13	1/2-20	9/16-12	9/16-18	5/8-11	3/4-16	1"-14		
Color Code	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Black		
Weight (lbs)	0.09	0.20	0.35	0.57	0.71	0.95	1.28	1.92	2.68	4-95		
Product Code	SGLTI#4	SGLTI#5	SGLT I #6	SGLTI#7	SGLTI#8	SGLTI#9	SGLTI#10	SGLT#11	SGLT I #14	SGLTI#18		

01

Remove the BARUS concrete spacer plug and rebar thread protector.

COATING OPTIONS

Bar Diameter

Epoxy coated mechanical couplers for splicing epoxy coated bars that comply with ASTM A775/A775M.

Hot dip galvanized mechanical couplers for splicing galvanized bars that comply with ASTM A₇6₇/A₇6₇M.

Stainless steel SimGrip [™] couplers for splicing stainless steel bars and special use.

After tightening, there should be no more than 2-4 mm of thread exposed depending on the diameter of the rebar. Detailed visual control and quality assurance information are available upon request.

Contact BARUS for reusable accessories and waste-reducing products for LEED and environmentally friendly projects.



03

Screw the coupler from the continuation bar and rotate until it hits the end of the threading on the opposing bar and lock tight.



12

Attach the locknut then the coupler to continuation bar with the coupler against the end of the first bar.



04

Hold the bent rebar in its required orientation and tighten the locknut against the coupler with a wrench.



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Total coupler length

Bar Diameter 28 22 25 28 35 43 45 50 55 75 40 63 65 70 80 82 100 30 35 45 49 51 59 106 126 161 186 210 218 228 268 290 310 79 96 144 Thread Size (Metric) M14x2,0 M16x2,0 M20x2,5 M22x2,5 M24x3,0 M27x3,0 M30x3,5 M33x3,5 M56x5,5 M36x4,0 M36x4,0 M39x4.0 M45X4,5 Black Orange Pink Levander Yellow Brown Red Weight (kg) 0.26 0.58 0.87 1.97 0.04 0.09 0.12 0.16 0.32 0.43 0.5 1.13 SGPS25 SGPS28 SGPS30 SGP532 SGPS36 SGPS40 SGPS50

Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
External Dia (inch)	5/8	1	1 1/8	1 3/8	1 3/8	1 5/8	1 6/8	2	2 3/8	3 3/8
Coupler Length (inch)	1 1/8	1 5/8	1 7/8	2	2 3/8	2 4/8	2 6/8	3 1/8	3 4/8	4 4/8
Total Gap (mm)	3 1/8	4 1/8	5 5/8	6 3/8	7 3/8	8 5/8	9	10 4/8	12 5/8	16 6/8
Thread Size (UNC)	5/16-18	3/8-24	7/16-20	1/2-13	1/2-20	9/16-12	9/16-18	5/8-11	3/4-16	1"-14
Color Code	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Black
Weight (lbs)	0.09	0.20	0.35	0.57	0.71	0.95	1.28	1.92	2.68	4-95
Product Code	SGPSI#4	SGPSI#5	SGPSI#6	SGPSI#7	SGPSI#8	SGPSI#9	SGPSI#10	SGPS#11	SGPSI#14	SGPS I #1

simGRIP™ crossing

The SimGripTM Crossing System is used when the bars cannot be placed butt to butt in challenging rebar cages or difficult installations. Both bars are threaded with SimGripTM System thread, and a Crossing Splice Set is is used to connect two rebars mechanically.











COATING OPTIONS

Epoxy coated mechanical couplers for splicing epoxy coated bars that comply with ASTM A775/A775M.

Hot dip galvanized mechanical couplers for splicing galvanized bars that comply with ASTM A767/A767M.

Stainless steel SimGrip [™] couplers for splicing stainless steel bars and special use.

After tightening, there should be no more than 2-4 mm of thread exposed plus half the length of the coupler depending on the diameter of the rebar. Detailed visual control and quality assurance information are available upon request.

Contact BARUS for reusable accessories and waste-reducing products for LEED and environmentally friendly projects.



Bring the first bar as close as possible to the contuniation bar.



Screw the bridging coupler out of the female bridging assembly set and onto the bottom bar.



Screw the nut out of the female bridging assembly set and as close as possible to the bridging coupler. Tighten the female bridging stud, bridging couple and lock nut respectively.



INFORMATION ABOUT simGRIP™ts



Bar Diameter	14-12	18-16	20-16	26-20	26 - 22	28-20	28-22	28-26	30-26	32-26	32-28	40-32	50-40
External Dia (d)(mm)	20	28	30	36	36	40	40	36	43	45	45	55	75
Coupler Length (l)(mm)	35	45	46	53	60	51	59	63	65	70	74	82	82
Color Code	Orange	Purple	Pink	Grass Green	Dark Green	White	White	Blue	Levander	Grey	Yellow	Brown	Red
Weight (kg)	0.13	0.20	0.23	0.29	0.32	0.42	0.44	0.45	0.56	0.58	0.60	0.88	1.00
Product Code	SGTS14-12	SGPS18-16	SGPS20-16	SGPS26-20	SGPS26-22	SGPS28-20	SGPS28-22	SGPS28-26	SGP530-26	SGPS32-26	SGP532-28	SGPS40-32	SGPS50-44

Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
External Dia (d)(inch	5/8	1	1 1/8	1 3/8	1 3/8	1 5/8	1 6/8	2	2 3/8	3 3/8
External Dia (d)(inch Coupler Length (l)(inch) 1 1/8	1 5/8	1 7/8	2	2 3/8	2 4/8	2 6/8	3 1/8	3 4/8	4 4/8
	5/16-18	3/8-24	7/16-20	1/2-13	1/2-20	9/16-12	9/16-18	5/8-11	3/4-16	1"-14
Color Code Weight (lbs)	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Black
Weight (lbs)	0.09	0.20	0.35	0.57	0.71	0.95	1.28	1.92	2.68	4-95
Product Code	SGLTI#A	SGLTI#s	SGLT I #6	SGLTI#7	SGLTI#8	SGLTI#o	SGLT I #10	SGI TI#11	SGLT I #14	SGI T I #18

SIMGRIP™ts The SimGrip™ TS is used to splice different diameter reinforcing bars. The transition coupler comprises an internally threaded sleeve with two right hand threads. Spliced bars provide full strength in tension, compression and stress reversal applications and behave as continuous lengths of rebars. The diameter of each thread corresponds to the appropriate bar size.











Epoxy coated mechanical couplers for splicing epoxy coated bars that comply with ASTM A775/A775M.

Hot dip galvanized mechanical couplers for splicing galvanized bars that comply with ASTM A767/ A767M.

Stainless steel SimGrip [™] couplers for splicing stainless steel bars and special use.

After tightening, there should be no more than 2-4 mm of thread exposed depending on the diameter of the rebar. Detailed visual available upon request.

Contact BARUS for reusable accessories and waste-reducing products for LEED and environmentally friendly projects.

 $\mathsf{Sim}\mathsf{Grip}^\mathsf{TM}\mathsf{TS}$ is a transition type mechanical coupler used to join reinforcingbars of different diameters The coupler is normally supplied fixed to a reinforcing bar, ready to be installed and cast in concrete.

SimGrip TS coupler comprises an internally threaded sleeve with two righthand parallel threads centered in the middle of the coupler. Spliced bars provide full strength in tension, compression and stress reversal applications and behave as continuous lengths of rebars. Thus structural integrits is procured.

In tension test, bar break occurs on smaller reinforcing bar.

It is allowable also, in most cases, to reduce the size of the larger bar and to use a standard coupler.





INFORMATION ABOUT Anchor-Nut®



LARGE ROUND REBAR HEADS, ANX10

Bar Diameter	12	14	16	18	20	22	25	28	30	32	36	40	50
External Dia (d)(mm)	42	48	52	59	65	73	85	95	43	105	120	130	150
Thickness (mm)	15	17.5	20	22.5	24.5	25.5	29.5	31.5	32.5	35	40	41	50
Thread Size (Metric)	M14X2,0	M16x2,0	M20X2,5	M22X2,5	M24x3,0	M27x3,0	M30x3,5	M33x3,5	M36x4,0	M36x4,0	M39x4,0	M45x4,5	M56x5,5
Surface Ratio	> 9	> 9	> 9	> 9	> 9	> 9	> 9	> 9	> 9	> 9	> 9	> 9	> 9
Color Code	Orange	Purple	Pink	Grass Green	Dark Green	White	Blue	Levander	Grey	Yellow	Brown	Red	Black
Weight (kg)	0.04	0.07	0.09	0.12	0.16	0.26	0.32	0.43	0.5	0.58	0.87	1.13	1.97
Product Code	SGAN ₁₂	SGAN14	SGAN16	SGAN18	SGAN20	SGAN22	SGAN25	SGAN28	SGAN30	SGAN32	SGAN36	SGAN40	SGAN50

Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
External Dia (d)(inch)	1 5/8	2	2 4/8	2 7/8	3 3/8	1 6/8	4 1/8	4 6/8	6 4/8	8 7/8
Thickness (inch)	5/8	6/8	1	1	1 1/8	1 2/8	1 3/8	1 5/8	2 1/8	3
Thread Size (UNC)	5/16-18	3/8-24	7/16-20	1/2-13	1/2-20	9/16-12	9/16-18	5/8-11	3/4-16	1"-14
Surface Ratio	> 9	> 9	> 9	> 9	> 9	> 9	> 9	> 9	> 9	> 9
Color Code	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Black
Weight (lbs)	0.09	0.20	0.35	0.57	0.71	0.95	1.28	1.92	2.68	4-95
Product Code	SGANI#4	SGAN#5	SGANI#6	SGANI#7	SGAN#8	SGAN I #9	SGAN#10	SGANI#11	SGANI#14	SGANI#1

Epoxy coated mechanical couplers for splicing epoxy coated bars that comply with ASTM A775/A775M.

Hot dip galvanized mechanical couplers for splicing galvanized bars that comply with ASTM A767/ A767M.

Stainless steel SimGrip [™] couplers for splicing stainless steel bars and special use.

After tightening, there should be no more than 2-4 mm of thread exposed depending on the diameter of the rebar. Detailed visual control and quality assurance information are

Contact BARUS for reusable accessories and waste-reducing products for LEED and BARUS Anchor-Nut[™] is an easy to install and structurally improved rebar anchorage system that replaces hooked rebars in concrete based on the principles of the Shear Cone Theory used by ACI-355.

Traditionally, anchorage of rebars within a concrete section is done by creating long hooked ends on the rebar. BARUS Anchor-Nut[™] creates an anchorage in the concrete, transmitting the bond force from the rebar to the concrete by a combination of head-bearing and development length. Anchor-NutTM can simplify scheduling and bar placement as well as reduce congestion and air pockets in the concrete.

By using headed mechanical end anchors, hook bars are eliminated and rebar congestion is minimized resulting in improved space for pouring and vibrating, thereby enhancing concrete consolidation, lowering concrete placement costs, and improving in-place concrete quality. When using reinforcing bars with headed ends, the load reaction between the rebar and concrete is evenly distributed.

Custom designed for use on #4 (12 mm) to #8 (57 mm) reinforcing bars, BARUS Anchor-Nut™ creates a full length splice with the mode of failure being bar break. BARUS Anchor-Nut™ is designed to exceed the strength requirements of ACI 318, Section 12.6 or 100% of the Specified Yield Strength of Grade 60 bar.



Anchor-Nut[™] The parallel threaded headed Anchor-Nut[™] provides an alternative method of creating a simpler and more effective rebar end anchorage than the traditional hooked rebar within the concrete.













50 56 64 68 70 75 85 87 110 35 54 Thread Size (Metric) M14x2,0 M16x2,0 M20x2,5 M22x2,5 M24x3,0 M27x3,0 M30x3,5 M36x4,0 M36x4,0 M45x4,5 M56x5,5 M33x3,5 M39x4,0 Grass Green Dark Green Black Orange Levander Grey Weight (kg) 0.04 0.07 0.09 0.12 0.16 0.26 0.32 0.43 0.5 0.58 0.87 1.97 SGWD12 SGWD22 SGWD₂8 SGWD30 SGWD36 SGWD40 **Bar Diameter** #4 #6 #7 #8 #9 #10 #11 #14 #18 #5 5/8 1 1/8 1 3/8 1 3/8 1 5/8 1 6/8 2 3/8 3 3/8 2 1 6/8 2 1/8 4 5/8 6 2/8 1 3/8 2 2/8 2 4/8 2 5/8 3 3/8 3

0/16-12 0/16-18

Levander Yellow

1 28

0.95

5/8-11

Brown

1.92

SGWDI#8 SGWDI#10 SGWDI#11 SGWDI#14 SGWDI#14 SGWDI#18

3/4-16

Claret Red

2.68

1"-16

Black

4.95

simGRIP™ bolcon

3/8-24

0.20

SGWDI#s

7/16-20

Pink Dark Green White

0.35

SGWDI#6

1/2-13

0.57

SGWDI#7

1/2-20

Blue

0.71

Thread Size (UNC)

Color Code

Weight (lbs)

5/16-18

Orange

0.09

SGWD##

SimGrip[™] couplers are used to unite rebars to a metal object through an 8.8 heavy duty bolt.

Bar Diameter	12	14	16	18	20	22	25	28	30	32	36	40	50
External Dia (mm)	21	25	26	30	32	36	40	45	49	50	57	62	77
Coupler Length (mm)	35	40	45	50	54	56	64	66	70	72	84	90	112
Thread Size (Metric)	M14X2,0	M16x2,0	M20X2,5	M22X2,5	M24x3,0	M27x3,0	M30x3,5	M33x3,5	M36x4,0	M36x4,0	M39x4,0	M45x4,5	M56x5
Color Code	Orange	Purple	Pink	Grass Green	Dark Green	White	Blue	Levander	Grey	Yellow	Brown	Red	Black
Weight (kg)	0.04	0.07	0.09	0.12	0.16	0.26	0.32	0.43	0.5	0.58	0.87	1.13	1.97
Product Code	SGBC12	SGBC14	SGBC16	SGBC18	SGBC20	SGBC22	SGBC25	SGBC28	SGBC30	SGBC32	SGBC36	SGBC40	SGBC5
Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18			
External Dia (inch)	7/8	1	1 2/8	1 3/8	1 5/8	1 6/8	2	2 2/8	3 1/8	4 1/8			
Coupler Length (inch)	1 3/8	1 6/8	2 1/8	2 2/8	2 4/8	2 5/8	2 7/8	3 2/8	4 4/8	6 1/8			
Thread Size (UNC)	5/16-18	3/8-24	7/16•20	1/2-13	1/2-20	9/16-12	9/16-18	5/8-11	3/4-16	1"-14			
Color Code	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Black			
Weight (lbs)	0.09	0.20	0.35	0.57	0.71	0.95	1.28	1.92	2.68	4-95			
Product Code	SGBCI#4	SGBCI#5	SGBCI#6	SGBCI#7	SGBCI#8	SGBCI#9	SGBC #10	SGBC #11	SGBC[#14	SGBC#18			

BENEFITS OF BARUS Anchor-Nut™

- . Standard threads and upset threads alternatives
- Easy placement
- Simplifies fabrication
- · Eliminates rebar hook
- No special bend direction less confusion
- Minimal detailing more design flexibility

- No bending and cracking
- Pre-installed saves field labor No welding or hot forging no heat
 - Saves space and reduces member size
 - Reduces congestion
 - Improved job site safety
 - Reduces bar bond slip

When a tensile load is applied to a hooked bar embedded in concrete, a complex stress pattern in generated on the inside radius of the bent bar. Most likely, the bar tends to straighten and cause splitting of the concrete cover in the plane of the hook. At the same time, there is a high risk of concrete crushing beneath a bent anchorage. The primary objective of architects and engineers is to minimize structural element size. Building code requirements for hooked bars can compromise such objectives. Utilizing hooked bars will result in steel congestion, making the fabrication and construction more complicated. Geometric limitations often prevent the use of larger diameter reinforcing bars due to construction limitations arising from lengthy hook extensions and large bend diameters. If spalling of concrete cover occurs around the leg of a hook bar, by fire, corrosion or another mechanism, the effectiveness of the hook is severely compromised.

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coupler with a single right hand thread. The ends of the bars are taper threaded for half the length of the coupler.

The TTEX[™] Transition Coupler is used to splice different diameter reinforcing bars. The transition coupler comprises an internally

The TTEX[™] System is used in applications where the continuation bar can be rotated freely and is comprised of an internally threaded

threaded sleeve with two right hand threads. Spliced bars provide full strength in tension, compression and stress reversal applications and behave as continuous lengths of rebars. The diameter of each

thread corresponds to the appropriate bar size.

XEX system

TAPERED THREAD MECHANICAL COUPLER FOR REINFORCING BARS

TTEX[™] System is a taper threaded mechanical coupler comprised of a steel sleeve which is internally threaded with a single right hand thread. The ends of bars are taper threaded. TTEX™ family of tapered thread mechanical couplers requires a BARUS taper threading machine.

To better suit the couplers, the deformed high-yield carbon reinforcing are directly threaded with a taper threading machine. Bar ends are in flattened case of necessity. At the end of the precess, rebar ends have no loss of crosssectional areas. Taper threaded couplers are available in five types:

TTEXTM Standard, TTEXTM TS, TTEXTM PS, TTEX™ Anchor-Nut, and TTEX™ Weldable

WEX ps

The TTEX[™] PS System is a Position Type coupler is used where the continuation bar cannot be rotated and therefore includes an additional locknut. The continuation bar is threaded for the full coupler length plus the length of the locknut.

WEX anhcor nut

The taper threaded headed Anchor-Nut[™] provides an alternative method of creating a simpler and more effective rebar end anchorage than the traditional hooked rebar within the concrete.

WEX weldable

The TTEX[™] Weldable is similar to the TTEX[™] standard coupler, however only half of one end is internally threaded and the other end is prepared for welding. These couplers are machined from weldable grades of material depending on rebar size conform to ASME Section ||| Division 2





BENEFITS OF SWAGE SYSTEM COUPLERS

Due to the growing technical challenges faced in today's construction industry, traditional methods for connecting rebar, such as lapping or welding, is no longer the best method to connect rebar. More and more construction codes are specifying a mechanical coupler because it provides better structural integrity while minimizing costs. Some of the benefits of using a BARUS mechanical coupler include:

- More reliable and more structural integrity than lap splices because they no longer rely on the concrete for load transfer
- Lowers the risk of rock and air pockets by reducing rebar congestion
- Efficient and easy design options result in smaller and stronger columns with the maximum amount of useful area
- Avoids drilling and/or cutting forms, especially in crane, elevator openings, and stairwells
- Installs easily and quickly

- Reduces the amount of rebar, which reduces the labor and crane time improving the construction schedule
- No lapping length necessary reduces inventory which lowers cost
- Better splice inspection lowers quality control costs
- Allows for same line splicing no staggered splices
- · Minimizes rebar waste





BARUS griplock system EQUIPMENTS

BARUS designs and manufactures heavy duty customized machines like upset presses, bench and portable swaging presses, and threading machines for use with our mechanical couplers.

All BARUS equipments are designed for both shop and outdoor field use. Our equipment is heavy duty and built to the highest quality standards to ensure that they will consistently perform and produce superior results for your large scale and mega size projects.

All of our equipment are CE certified, which means you can be confident that our equipment comply with all relevant essential requirements related to safety, health, and environmental protection.

Contact BARUS for assistance to decide best equipment with your application.

BARUS Swaging Equipments

for Griplock™ System Mechanical Couplers



BARUS Bench type Cold Swaging Press Model EGE B1240

GripLock™ Bench and Portable swaging equipments are easy to use and may be leased or purchased. Splicing manuals provided with equipment explain step-by-step installation and safety information. Equipment must be used in accordance with manuals, lease agreements, manufacturer's directions and all safety instructions.

Swaging dies are stamped and color coded to match the coupling sleeves.



One part of the Griplock FM coupler family is Griplock Female coupler which can be delivered pre-pressed.



BARUS Portable type Cold Swaging Press Model OMUR P1036



Detailed method statement documents enable exact connections.



BARUS Portable type Cold Swaging Press Model OMUR P1036

griplock sl INSTALLATION



	Bar Diameter	12	14	16	18	20	22	25	28	30	32	36	40	50
Metr	External Dia (mm)	24	26	29	31	35	40	44	49	56	56	60	70	79
ic Di	Coupler Length (mm)	70	75	80	90	100	115	135	150	170	170	190	220	280
men:	Color Code	Orange	Purple	Pink	Grass Green	Dark Green	White	Blue	Levander	Grey	Yellow	Brown	Red	Black
sions	Weight (kg)	0.06	0.08	0.11	0.14	0.19	0.29	0.37	0.5	0.59	0.65	0.93	1.22	2.05
0.	Product Code	GLSL12	GLSL14	GLSL16	GLSL18	GLSL20	GLSL22	GLSL25	GLSL ₂ 8	GLSL30	GLSL32	GLSL36	GLSL40	GLSL50

Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#1
External Dia (inch)	1	1 1/8	1 3/8	1 5/8	1 6/8	2 2/8	2 2/8	2 3/8	3 1/8	4
Coupler Length (inch)	2 6/8	3 1/8	3 7/8	4 4/8	5 3/8	6 6/8	6 6/8	7 4/8	10	14
Color Code	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Bla
Weight (lbs)	0.13	0.18	0.24	0.31	0.42	0.64	0.82	1.10	1.40	1.6
Product Code	GLSLI#A	GLSLI#s	GLSLI#6	GLSLI#7	GLSLI#8	GLSII#o	GLSL I #10	GLS1 #11	GLSI #14	GLSI

griplock sl

GripLock SL is a sleeve type coupler that slips over the ends of deformed reinforcing bars and swaged with a Bar-us portable press to produce a mechanical interlock between the deformed rebar profile and the sleeve coupler.











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Epoxy coated mechanical couplers for splicing epoxy coated bars that comply with ASTM A775/A775M.

Hot dip galvanized mechanical couplers for splicing galvanized bars that comply with ASTM A767/ A767M.

Stainless steel Griplock swaging couplers for splicing stainless steel bars and special use.

After tightening, there should be no more than 2-4 mm of thread exposed plus half the length of the coupler depending on the diameter of the rebar. Detailed visual control and quality assurance information are available upon request.

Contact BARUS for reusable accessories and waste-reducing products for LEED and environmentally friendly projects.

Align the bars and swage the Griplock SL coupler onto the reinforcing bars by using a portable swaging press and die to deform the coupler sleeve onto the rebar ribs.







	Bar Diameter	12	14	16	18	20	22	25	28	30	32	36	40	50
Metri	External Dia (mm)	24	26	29	31	35	40	44	49	56	56	60	70	79
ic Di	Splice Length (mm)	72	77	82	92	103	117	138	152	173	173	193	224	285
mens	Color Code	Orange	Purple	Pink	Grass Green	Dark Green	White	Blue	Levander	Grey	Yellow	Brown	Red	Black
sions	Weight (kg)	0.07	0.09	0.12	0.15	0.2	0.3	0.38	0.51	0.6	0.66	0.94	1.23	2.07
	Product Code	GLFM12	GLFM14	GLFM16	GLFM18	GLFM20	GLFM22	GLFM25	GLFM28	GLFM30	GLFM32	GLFM36	GLFM40	GLFM50

Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
External Dia (inch) Splice Length (inch)	1	1 1/8	1 3/8	1 5/8	1 6/8	2 2/8	2 2/8	2 3/8	3 1/8	4
Splice Length (inch)	2 7/8	3 2/8	4	4 5/8	5 3/8	6 6/8	6 6/8	7 5/8	10 2/8	14 5/8
Color Code	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Black
Weight (lbs)	0.15	0.20	0.26	0.33	0.44	0.66	0.84	1.12	1.42	1.66
Product Code	GLFM I #4	GLFMI#s	GLFMI#6	GLFMI#7	GLFMI#8	GLFM I #9	GLFMI#10	GLFM#11	GLFM #14	GLFM I #1

IX ISTURB

griplock fm GripLock FM is a two-piece male/female (M+F) swaging system utilizing a mechanical coupler to splice deformed rainforming have. The coupler is swaged out the bar with reinforcing bars. The coupler is swaged onto the bar with a BARUS bench press before installation. No equipment is needed in-situ.













Epoxy coated mechanical couplers for splicing epoxy coated bars that comply with ASTM A775/A775M.

Hot dip galvanized mechanical couplers for splicing galvanized bars that comply with ASTM A767/ A767M.

Stainless steel Griplock swaging couplers for splicing stainless steel bars and special use.

After tightening, there should be no more than 2-4 mm of thread exposed plus half the length of the coupler depending on the diameter of the rebar. Detailed visual control and quality assurance information are available upon request.

Contact BARUS for reusable accessories and waste-reducing products for LEED and environmentally friendly projects.



01

Remove the BARUS coupler caps from both female and male couplers.



Screw the male coupler into the female coupler until it hits the end of the coupler and lock tight.







	Bar Diameter	12	14	16	18	20	22	25	28	30	32	36	40	50
Metri	External Dia (mm)	24	26	29	31	35	40	44	49	56	56	60	70	79
ic Di	Splice Length (mm)	72	77	82	92	103	117	138	152	173	173	193	224	285
men:	Color Code	Orange	Purple	Pink	Grass Green	Dark Green	White	Blue	Levander	Grey	Yellow	Brown	Red	Black
sions	Weight (kg)	0.07	0.09	0.12	0.15	0.2	0.3	0.38	0.51	0.6	0.66	0.94	1.23	2.07
0.	Product Code	GLPS12	GLPS14	GLPS16	GLPS18	GLPS20	GLPS22	GLPS25	GLPS28	GLPS30	GLPS ₃₂	GLPS36	GLPS40	GLPS50

Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
External Dia (inch)	1	1 1/8	1 3/8	1 5/8	1 6/8	2 2/8	2 2/8	2 3/8	3 1/8	4
Splice Length (inch)	2 7/8	3 2/8	4	4 5/8	5 3/8	6 6/8	6 6/8	7 5/8	10 2/8	14 5
Color Code	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Blac
Weight (lbs)	0.15	0.20	0.26	0.33	0.44	0.66	0.84	1.12	1.42	1.6
Product Code	GLPSI#4	GLPSI#s	GLPS#6	GLPS#7	GLPSI#8	GLPS I #o	GLPS I #10	GLPS I #11	GLPSI#1A	GLPS



GripLock PS is a position coupler with a threaded stud between two female GripLock couplers. It is used for applications where bars can not be rotated or it is not practical to rotate the bars due to bent bars, pile installations to engage the threads or when bars are too long and heavy.













Epoxy coated mechanical couplers for splicing epoxy coated bars that comply with ASTM A775/A775M.

Hot dip galvanized mechanical couplers for splicing galvanized bars that comply with ASTM A767/ A767M.

Stainless steel Griplock swaging couplers for splicing stainless steel bars and special use.

After tightening, there should be no more than 2-4 mm of thread exposed plus half the length of the coupler depending on the diameter of the rebar. Detailed visual control and quality assurance information are available upon request.

Contact BARUS for reusable accessories and waste-reducing products for LEED and environmentally friendly projects.



Screw the stud fully into the long coupler until it stops.



Align and move the long coupler toward the short coupler until the threaded head of the stud prevent assembly. Do not turn the short coupler.

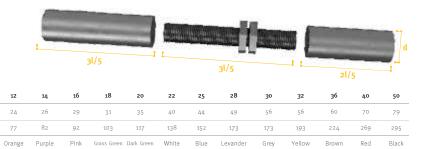


Screw the stud fully into the short coupler until it stops.



Use a pipe wrench to tighten stud to lock the connection. No specific torque amount is required.

griplock crossing INSTALLATION



0.6

GLCS28

0.66

GLC530

0.88

GLCS32

1.2

GLC536

2.1

GLCS40 GLCS50

Bar I	Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
Exte	rnal Dia (inch)	1	1 1/8	1 3/8	1 5/8	1 6/8	2 2/8	2 2/8	2 3/8	3 1/8	4
Splic	e Length (inch)	3	3 5/8	4 5/8	5 3/8	6	6 6/8	7 5/8	8 7/8	12 2/8	15 1/8
Colo	r Code	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Black
Weig	ght (lbs)	0.20	0.26	0.33	0.44	0.66	0.86	1.15	1.32	1.56	2.21
Prod	uct Code	GLCSI#4	GLCSI#5	GLCSI#6	GLCSI#7	GLCS#8	GLCS I #9	GLCS#10	GLCSI#11	GLCS#14	GLCSI#:

GLCS18

GLCS20

GLCS22

GLCS25

griplock crossing

GripLock Crossing Coupler System comprises a long threaded stud between two female GripLock couplers. It is used when the bars cannot be placed butt to butt in challenging rebar cages or difficult installations.









COATING OPTIONS

Bar Diameter

Color Code

Weight (kg)

Product Code

Splice Length (mm)

Epoxy coated mechanical couplers for splicing epoxy coated bars that comply with ASTM A775/A775M.

Hot dip galvanized mechanical couplers for splicing galvanized bars that comply with ASTM A767/A767M.

Stainless steel Griplock swaging couplers for splicing stainless steel bars and special use.

After tightening, there should be no more than 2-4 mm of thread exposed plus half the length of the coupler depending on the diameter of the rebar. Detailed visual control and quality assurance information at available upon request.

Contact BARUS for reusable accessories and waste-reducing products for LEED and environmentally friendly projects.



Screw the stud fully into the long coupler until it stops. Align and move the long coupler toward the short coupler until the threaded head of the stud goes inside the coupler fully and stops at the thread.



Turn nuts to screw the stud into the standard coupler. When the stud stops at nut A, tighten nut A and turn out B to lock its position.



Use a pipe wrench to tighten both nut A and nut B to lock the connection. No specific torque amount is required.



OTHER GRIPLOCK TYPES AND TYPICAL CONNECTIONS



GRIPLOCK SYSTEM WITH Anchor-Nut™



Griplock System Couplers can be used with Anchor Nut. In order to provide simple and fast anchorage, Griplock system is an efficient solution.

Connecting Different Diameters with GRIPLOCK TS
Transition Couplers



When a tensile load is applied to a hooked bar embedded in concrete, a complex stress pattern in generated on the inside radius of the bent bar. Most likely, the bar tends to straighten and cause splitting of the concrete cover in the plane of the hook. At the same time, there is a high risk of concrete crushing beneath a bent anchorage. The primary objective of architects and engineers is to minimize structural element size. Building code requirements for hooked bars can compromise such objectives. Utilizing hooked bars will result in steel congestion, making the fabrication and construction more complicated. Geometric limitations often prevent the use of larger diameter reinforcing bars due to construction limitations arising from lengthy hook extensions and large bend diameters. If spalling of concrete cover occurs around the leg of a hook bar, by fire, corrosion or another mechanism, the effectiveness of the hook is severely compromised.

griplock with anchor plate

Using Griplock System with an anchor plate provides anchorage in **different** applications.



	Bar Diameter	12	14	16	18	20	22	25	28	30	32	36	40	50
Metr	External Dia (mm)	24	26	29	31	35	40	44	49	56	56	60	70	79
ic Di	Splice Length (mm)	48	52-5	57	64	71.5	80.5	94	104	116.5	120	132.5	152	192.5
men	Color Code	Orange	Purple	Pink	Grass Green	Dark Green	White	Blue	Levander	Grey	Yellow	Brown	Red	Black
sions	Weight (kg)	0.07	0.09	0.12	0.15	0.2	0.3	0.38	0.51	0.6	0.66	0.94	1.23	2.07
-51	Product Code	GLAN12	GLAN14	GLAN16	GLAN18	GLAN20	GLAN22	GLAN25	GLAN28	GLAN30	GLAN32	GLAN36	GLAN40	GLAN50

Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
External Dia (inch)	1	1 1/8	1 3/8	1 5/8	1 6/8	2 2/8	2 2/8	2 3/8	3 1/8	4
Splice Length (inch)	1 7/8	2 2/8	2 7/8	3 1/8	3 6/8	4 5/8	4 6/8	5 2/8	6 7/8	9 7/8
Color Code	Orange	Pink	Dark Green	White	Blue	Levander	Yellow	Brown	Claret Red	Black
Weight (lbs)	0.15	0.20	0.26	0.33	0.44	0.66	0.84	1.12	1.42	1.66
Product Code	GLAN#4	GLANI#5	GLANI#6	GLANI#7	GLANI#8	GLANI#9	GLANI#10	GLAN#11	GLAN#14	GLAN##

griplock bolcon



Griplock bolcon couplers are used to unite rebars to a metal object through an 8.8 heavy duty bolt.

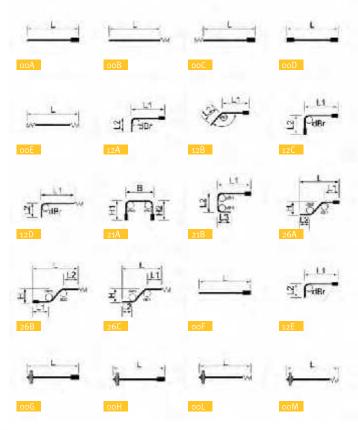
	Bar Diameter	12	14	16	18	20	22	25	28	30	32	36	40	50
M _P +r	External Dia (mm)	24	26	29	31	35	40	44	49	56	56	60	70	79
ic Di	Splice Length (mm)	42	45-5	49	55	61.5	69.5	81.5	90	101.5	104	114-5	132	167.5
m en	Color Code	OrBCge	Purple	Pink	Grass Green	Dark Green	White	Blue	LevBCder	Grey	Yellow	Brown	Red	Black
sion	Weight (kg)	0.07	0.09	0.12	0.15	0.2	0.3	0.38	0.51	0.6	0.66	0.94	1.23	2.07
n	Product Code	GLBC12	GLBC14	GLBC16	GLBC18	GLBC20	GLBC22	GLBC25	GLBC28	GLBC30	GLBC32	GLBC36	GLBC40	GLBC50

_	Bar Diameter	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
	External Dia (inch)	1	1 1/8	1 3/8	1 5/8	1 6/8	2 2/8	2 2/8	2 3/8	3 1/8	4
ial D	Splice Length (inch)	1 5/8	1 7/8	2 3/8	2 6/8	3 2/8	4	4 1/8	4 4/8	6	8 5/8
	Color Code	Orange	Pink	Dark Green		Blue	Levander	Yellow	Brown	Claret Red	Black
	Weight (lbs)	0.15	0.20	0.26	0.33	0.44	0.66	0.84	1.12	1.42	1.66
	Product Code	GLBCI#4	GLBC l #s	GLBCI#6	GLBC l #7	GLBCI#8	GLBC l #q	GLBC #10	GLBCl#11	GLBCI#14	GLBCI#18

Exclusive agent ReCC srl info@reccsrl.it

READY TO INSTALL MECHANICAL SPLICE PRODUCTS

BARUS produce any size of pre fabricated rebar-coupler-rebar head combinations. We produce odd lengths with no waste, resulting in a lower cost to our customers. Special types of BARUS Couplers and Anchor-Nut™s are designed, manufactured and installed on rebars as your requirements and ready to deliver at your job site. Please get in contact with us for your specific requirements.





Special production types are cost eficient because we manufacture them in our plant and deliver it to your jobsite.

Please contact us for your specific requirements.



ACCESSORIES



Concrete Spacer Plug



BARUS Concrete Spacer Plugs combine a traditional concrete reservation and a form adapter. Used primarily with the SimGrip TM LT and the SimGrip TM PS couplers, it creates a pocket in the concrete while its collar enables nailing to the formwork.

Form Adapter

BARUS Form Adapters are used to attach the coupler to formwork.

When used with the threaded rebar, the formwork does not require rebar holes in order to have a continuous path of reinforcement.





BARUS marked plastic sleeve are used to protect the threaded rebar end. Like other plastic products, the plastic sleeve is color coded to indicate the size of the rebar.

Plastic Plug

BARUS marked plastic plug is used to protect the threads of the color. Like other plastic products, the plastic plug is color coded to indicate the size of the rebar.



Exclusive Agent:



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