



Tukasa[®]
STRONGER CONNECTIONS

**REBAR COUPLER
MACHINES &
THREADING
TOOLS**

REBAR COUPLER

Rebar couplers, also known as mechanical splicing solutions, provide a safe, efficient, and cost-effective alternative to traditional lapping methods in reinforced concrete structures.

In conventional practice, whenever a reinforcement bar needs to be extended, an overlapping joint is created by lapping another bar of 50D length, as specified in Indian code IS:456-2000. However, this method results in material wastage, increased congestion, excessive labor, higher costs, additional weight, reduced efficiency, complex installation, longer project timelines, and potential weakening of the structure.

With TUKASA Rebar Couplers, rebar extensions are seamlessly connected using a butt joint, ensuring superior load transfer, reduced material usage, and enhanced structural integrity.



Advantages of using reinforcement bar couplers

1. Strength & Structural Integrity

- Eliminates weaknesses caused by lapping, ensuring direct load transfer for better strength.
- Provides uniform load-bearing capacity, making it ideal for high-rise buildings, bridges, and seismic structures.

2. Material & Cost Efficiency

- Reduces rebar wastage by eliminating overlaps, saving valuable steel resources.
- Offers a cost-effective solution by lowering material consumption while maintaining high structural performance.

3. Space Optimization & Flexibility

- Minimizes congestion in RC concrete, allowing better concrete placement and structural integrity.
- Ideal for prefabrication, enabling easy transportation and seamless installation.

4. Faster & Simplified Construction

- Allows quick and efficient rebar connections, reducing labor time and speeding up project completion.
- Eliminates on-site bending and complex joint preparations, leading to smoother operations.

5. Reliable in High-Stress Applications

- Provides high load-bearing capacity and seismic resistance, making it suitable for earthquake-prone regions.
- Manufactured to strict quality standards, ensuring longer durability & reliability.

6. Supports Sustainable Construction

- Reduces steel consumption, contributing to eco-friendly and sustainable building practices.
- Optimizes material use, minimizing overall construction waste.

WHY TUKASA?



At TUKASA, we manufacture high-precision rebar couplers compliant with standard codes **IS 16172:2023**, ACI-318, ASTM, and BS-8110, ensuring structural reliability and superior load transfer. Our rigorously tested couplers meet the latest codal requirements, making them ideal for large-scale construction.

At TUKASA, Couplers are produced from carbon steel with high tensile strength and every coupler is **lot-marked** for complete traceability, ensuring transparency from raw material sourcing to final production. Each stamp provides details as follows

- **Supplier origin**
- **Chemical composition**
- **Production month and year**

Additionally, we conduct third-party testing from **two NABL-approved laboratories** before production, verifying chemical composition to guarantee material quality. This rigorous process ensures that **every coupler meets industry standards, structural reliability, and long-term durability.**

TUKASA Couplers are available in following sizes

COLD FORGED PARALLEL COUPLER

Rebar (mm)	Coupler Specifications		
	Outer Dia (mm)	Length (mm)	Pitch (mm)
16 mm	28	32	2.5
20 mm	32	40	3.0
25 mm	40	50	3.5
28 mm	45	56	3.5
32 mm	50	64	4.0
36 mm	58	72	4.0
40 mm	63	80	4.0

Note: Size and Weight tolerances may vary

ROLLED THREAD PARALLEL COUPLER

Rebar (mm)	Coupler Specifications		
	Outer Dia (mm)	Length (mm)	Pitch (mm)
16 mm	25	43	2.5
20 mm	30	53	2.5
25 mm	38	62	3.0
28 mm	45	72	3.0
32 mm	48	78	3.0
36 mm	53	86	3.0
40 mm	60	92	3.5

Note: Size and Weight tolerances may vary

We also manufacture Transition/Reducer Coupler, connecting different diameter bars.

We can manufacture couplers on demand, in any Size and Pitch

THREAD YOUR OWN



At TUKASA, we focus on precision-engineered rebar couplers, ensuring high-quality, large-scale production for reliable supply. Instead of rebar threading on-site, we specialize in manufacturing and distribution rebar couplers only.

No distractions. Just top-quality couplers, at scale.

ITS A MYTH "Only Coupler Suppliers Can Do Rebar Threading"

You CAN take full control of rebar threading on your site. It's simple, cost-effective, and easy to manage with the right tools, training, and support.

✔ We Equip You With Everything You Need

- ◆ Threading Machines (Rolled Threading / Cold Forging)
- ◆ Rollers / Chasers
- ◆ Rebar Peeling Blades
- ◆ Dies & Tooling Sets
- ◆ Lubricating Oils & Consumables
- ◆ Operator Training Modules
- ◆ Remote Technical Support

💬 Why Shift the Responsibility to Yourself?

- ⦿ **Save Costs** - No need to pay extra for turnkey threading service
- ⦿ **Better Control** - On-site threading = faster decisions & fewer delays
- ⦿ **Scalable** - Easy to manage multiple locations
- ⦿ **Training & Support** - We'll help your team get started confidently
- ⦿ **Long-Term Independence** - Build in-house capability

Your Job Is Simple

Buy TUKASA couplers.

Buy the **machines, tools, consumables & training.**

You take control of your threading and build better margins.

THREADING ESSENTIALS

Everything you need for flawless rebar threading - all in one place. From machines to consumables, tools to training, we've got you covered with reliable, high-performance solutions that ensure perfect joints every time.

REBAR THREADING ROLLERS

Our threading rollers are engineered for high-accuracy thread cutting and built to withstand long production runs without wear. Made from premium-grade tool steel to ensure consistent thread profiles.

All rollers come **with the TUKASA stamp**, a mark of trusted quality and reliability

- Perfect match for all Couplers
- Compatible with standard threading machines



CHASERS - THREAD CUTTING TOOL

Designed for precision threading of rebar, our thread cutting chasers deliver clean, uniform threads with minimal effort. Each chaser is CNC-machined, hardened, and profiled to perfection to ensure accurate thread formation even under continuous operation.

- High-speed threading operations
- Compatible with standard threading machines
- Production capacity, over 1,200-2,500 threads

OTHER THREADING ESSENTIALS

We provide complete rebar threading essentials, threading machines, consumables, and spare parts (as follows), with reliable pricing, fast delivery, and full support.

- Forging machine **Dies & Spare Parts**
- Rib Peeling **Blades**
- Threading **Cap / Tape**
- Control Key
- Chaser Holders



THREADING MACHINES



We supply **rebar threading machines** at **competitive prices** as a **value added service**, ensuring access to **reliable equipment** for precise threading, seamless coupler integration, and efficient rebar preparation in construction.

ROLLED TYPE (Rollers & Rib Blades Method)



- In this type, **rib peeling blades** are used **followed by Rollers** to form threads.

- This is a simple and easy machine with **less maintainance**.

- Require **Single Operator**

Threading Capacity	-	16mm to 40mm
Thread Pitch	-	2.0mm to 4.5mm
Threading Length	-	up to 100mm
Motor Power	-	7.5 HP
Weight	-	400 Kg Max.

COLD FORGED TYPE (Chaser & Dies Method)



- In this type, **bars are first enlarged using forging machines**, and then **Chasers** are used in the threading machine to cut precise threads.

- These machines **require skilled operators** and **high on maintainance**.

- Requires **two trained Operators**.

Threading Capacity	-	16mm to 40mm
Thread Pitch	-	2.0mm to 4.5mm
Threading Length	-	up to 100mm

THREADING MACHINE

Motor Power	-	5.0 to 7.5 HP
Weight	-	400 Kg Max.

FORGING MACHINE

Motor Power	-	5.0 to 7.5 HP
Weight	-	1000 to 1200 Kg



WHO WE ARE ?



Strength in Every Connection

At TUKASA, we believe that **rebar couplers are the backbone of structural integrity**, ensuring **seamless load transfer, durability, and safety** in reinforced concrete.

With **20+ years** of expertise, a monthly production capacity exceeding 5,00,000 units, and an engineering-driven team, we are committed to providing precision-manufactured solutions that reinforce infrastructure across India and beyond.

We don't just manufacture couplers—we build confidence in **every connection**. Our state-of-the-art facility, stringent **quality control processes**, and **lot-marked stamping for complete traceability** ensure strength, reliability, and accountability.

By maintaining rigorous industry standards, offering **customer-focused technical support**, and continuously innovating, we strive to be the **most trusted name** in rebar coupler technology.

At TUKASA, we recognize that **rebar couplers are essential for structural integrity**, and ensuring their quality is crucial for **construction safety**. That's why we adhere to **strict material sourcing protocols**, conduct **third-party lab testing**, and implement advanced inspection techniques to maintain superior quality.

Our commitment extends beyond manufacturing—we **equip clients with technical expertise, installation guidance**, and tailored solutions for diverse project needs. With a customer-first approach, global reach, and engineering-driven precision, TUKASA continues to set industry benchmarks, delivering high-performance rebar couplers that ensure efficiency, reliability, and long-term durability in reinforced concrete structures.

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