

LOCK SHEARING BOLTED COUPLER

Mechanical connection for joining reinforcement bars without conventional bar-end threading or welding.

KEY FEATURES



Threadless installation



Lock-shear bolt locking system



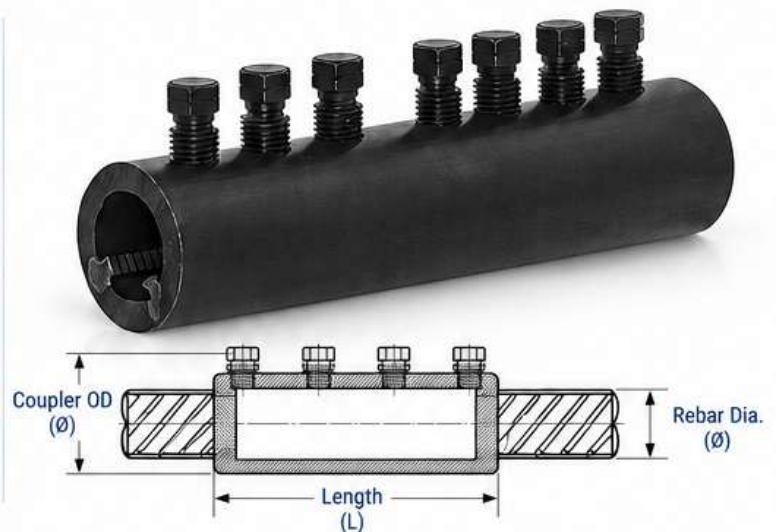
No welding required



Suitable for restricted-access and retrofit work



Visual inspection of sheared bolt heads



TYPICAL SIZE RANGE

10 – 40 mm rebar diameters*

Rebar dia. (mm)	Coupler OD (mm)	Length (mm)	Bolts	Approx. weight (kg)
10	33.5	100	4	0.55
12	33.5	140	6	0.72
16	42.5	160	6	1.30
20	48.5	205	8	2.00
25	54	259	8	3.00
28	67	312	10	5.80
32	71	312	10	6.50
36	75	420	12	8.60
40	81	485	14	11.50

INSTALLATION

- 1 Inspect and clean bar ends.
- 2 Insert and align both bars to specified depth.
- 3 Tighten bolts in the approved sequence.
- 4 Confirm bolt-head shear and complete required inspection.

APPLICATIONS



RCC
buildings



Bridges



Metro &
infrastructure



Repair and
retrofit



Congested
reinforcement
zones

* Dimensions and weights are indicative and may vary by size/batch. Confirm final dimensions, installation procedure, and performance requirements with Surya Engineering before use. Structural suitability depends on project specifications and applicable testing.