



**PRECISION
ENGINEERING**

REBAR COUPLER MANUFACTURER & THREADING SERVICES



**Mechanical Rebar Splicing Solutions
Conforming to IS 16172**



PRECISION ENGINEERING



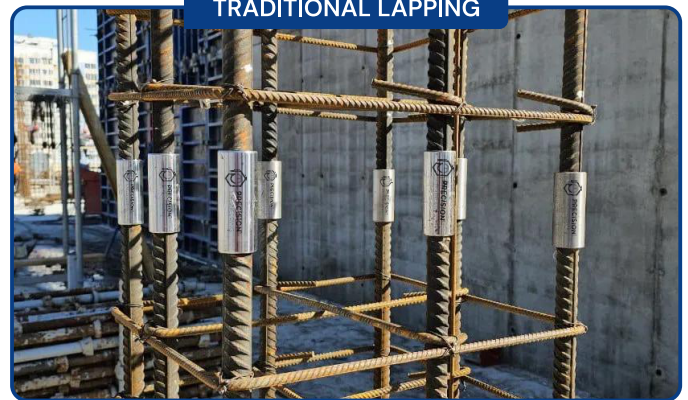
OVERVIEW & REBAR LAPPING

PRECISION ENGINEERING – REBAR COUPLER & THREADING SERVICES

Lapping of rebar is the most common method of reinforcing bar joints. Two bars are laid parallel to one another over a certain lap length and tied together with the help of a binding wire.

Problem with Lapping Practice:

Additional length is required for lapping of rebars and the practice leads to an extra usage of rebar and increases congestion at lapping junctions when concrete is poured. The binding process during lapping is labour intensive and time consuming.



AVOID LAPPING BY USING COUPLERS

Couplers are hollow mechanical members. These are threaded inside and are screwed on to the two rebars to form a robust mechanical joint.

Precision Engineering offers a wide range of mechanical couplers and threading services, designed for use with rebars of all leading brands.



**STRONG
MECHANICAL JOINT**



**FASTER
CONSTRUCTION**



**REDUCE STEEL USAGE
& CONGESTION**



CONFORMS TO IS 16172 | AND MEETS DESIGN REQUIREMENT OF IS 456

AREA OF APPLICATION



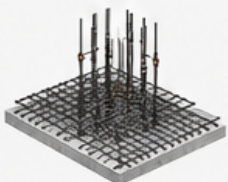
**WALL TO SLAB
CONNECTION**



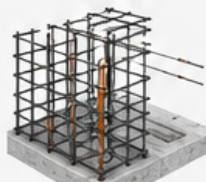
**BEAM TO
COLUMN
CONNECTION**



**COLUMN-LAP
REPLACEMENT**



**RAFT
FOUNDATIONS**



**FUTURE
EXTENSIONS /
ADDITIONS**



**PRECAST
ELEMENTS**



PRECISION ENGINEERING

**STRONG CONNECTIONS.
STRONGER STRUCTURES**

BENEFITS OF USING COUPLERS

(Available Pan India through Precision Engineering's network of distributors)



REDUCE REBAR USAGE:

Avoid lapping and optimize rebar usage.



Avoid labour efforts and costs for lapping and binding.



REDUCE CONGESTION:

Allows optimum concrete binding and improves structural integrity.



Maintains idea steel ratio at structural member cross section.



HIGHER STRUCTURAL INTEGRITY:

Rebar joints are less dependent on the concrete for load transfer.



FASTER CONSTRUCTION:

Reduced handling and faster assembly ensures quicker installations.



EASIER FUTURE INSTALLATIONS:

Can be installed as provisions for future installations.



STANDARD COUPLER SIZES

DIA (MM)	OD (MM)	LENGTH (MM)	PITCH (MM)
16	28	42	2.5
20	32	52	2.5
25	40	62	3.00
32	50	78	3.00
36	60	86	3.00
40	63	96	3.00

DIA (MM)	OD (MM)	LENGTH (MM)	PITCH (MM)
20 TO 16	32	47	2.5*2.5
25 TO 20	40	57	2.5*3
32 TO 25	50	70	3*3
32 TO 36	60	82	3*3
36 TO 40	63	91	3*3

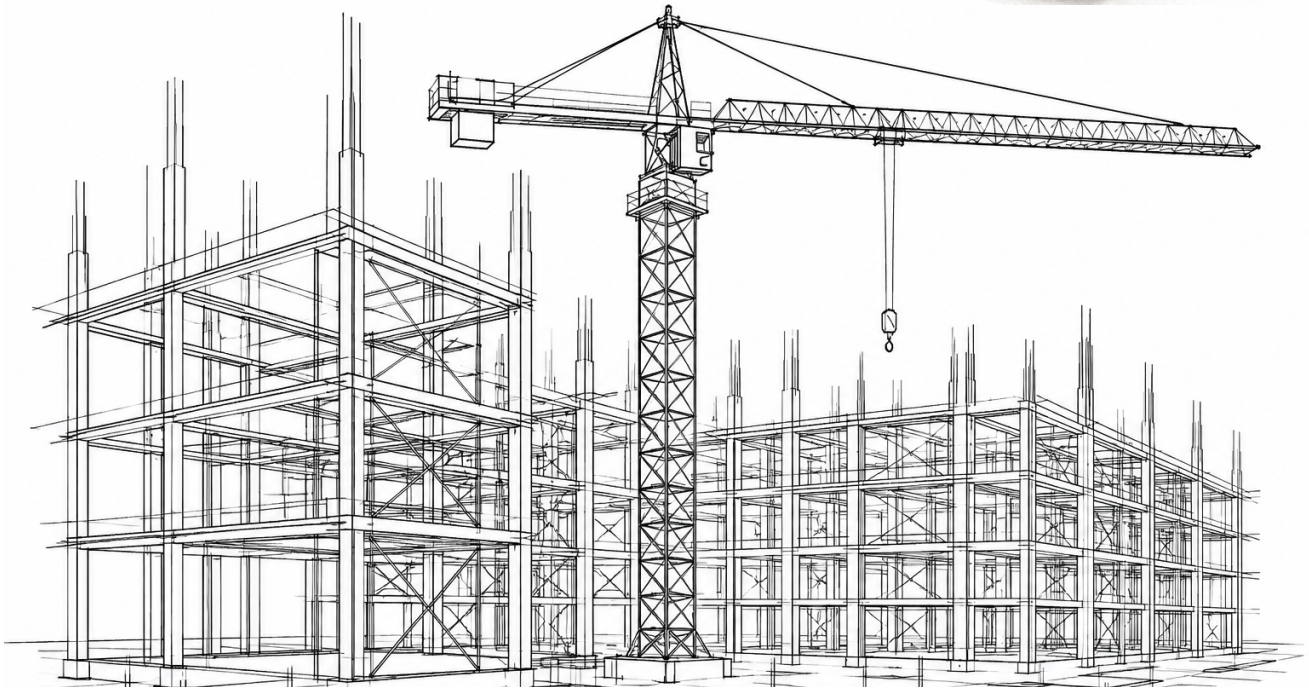
TECHNICAL SPECIFICATIONS



Precision Engineering Couplers
are made from superior
EN8D STEEL.



Available in
SKU 16MM – 40MM.



CONTACT DETAILS



**PRECISION
ENGINEERING**



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STRONG CONNECTIONS. STRONGER STRUCTURES