

Splicing Methods

Standard splice

Easy connection by bar rotation until full thread engagement.

Parallel Thread : No risk of thread mis-match.

No risk of cross-threading.

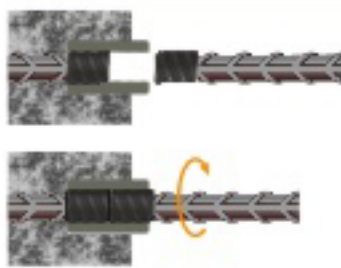
Position splice

Even when both bars cannot be turned, spplcetek system uses a standard coupler (exactly the same as used for type A) :

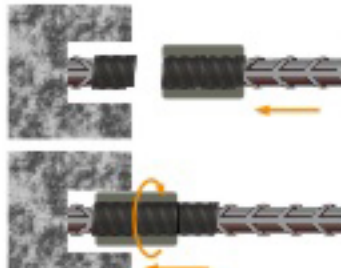
The coupler is fully engaged onto the extended thread of the connecting bar. The assembly is simply completed by cutting the bars end to end and screwing back the coupler onto the first bar until full engagement.

This assembly method is similar to Type B. With the addition of a lock-nut to maintain the position.

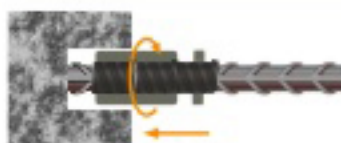
TYPE A



TYPE B



TYPE C



SPPLICETEK Mechanical Splice

Size	O.D. (mm)	Length (mm)	Thread pitch (mm)	Weight (kg.)
16	27	40	2.0	0.13
20	32	54	2.5	0.18
25	40	64	3.0	0.42
32	50	78	3.0	0.69
36	56	86	3.0	0.95
40	63	96	3.0	1.30



www.spplcetek.com

Dependable partner for mechanical bar splicing in construction



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Spplcetek India Pvt. Ltd., established by ACP, is one of the largest manufacturers of the Mechanical Splicing Systems designed for the connection of concrete reinforcing bars to Construction Technology.

Spplcetek's Parallel and Taper threaded Mechanical Splicing System ranges from 16 mm to 56 mm in thickness. **Spplcetek** adopt international quality conforming to British & American standard BS 8110 (1997) & ACI 318 (2005), ACI 349, ASME Sec III, Div 2 by manufacturing in 3 steps i.e. Cutting, Cold forging & Threading. Thereby having wide spread benefits, easy installation with no torque wrenching required. The mechanical splice connection develops, in tension or compression, more than 125% of the specified yield strength of the concrete reinforcement bar. The connection designed under strict quality assurance by the **Spplcetek** is to withstand minimum breaking strength of 650/MM2.

Spplcetek's Mechanical Splicing System is the most reliable and economical. They are designed friendly with assurance of maintaining load path in continuity of the structural reinforcement, independent of the conditions or the existence of the concrete.

The company's 8400 sq.ft. manufacturing facility bristles in Gujarat with state-of-the-art machinery and equipment from the best sources worldwide. The success of an enterprise hinges on basic customer satisfaction. Backed by our impressive array of manufacturing facilities, we have ensured delivery in incredibly short periods. Combining the pursuit of engineering excellence with a never - say - die customer service has enabled the company to establish synergic report with customers across India.



Cold Forged Parallel Thread Couplers (CFPTC)

The full tension splice that maintains the full ductility of the reinforcing bar.

SPPLICETEK is a parallel-threaded mechanical splicing system designed for the connection of concrete reinforcing bars 16MM to 40MM.

Product Features

- Designed and manufactured in compliance with ACI 318, ACI 349, ASME Sec III Div 2, No.
- No reduction of the bar cross section area.
- Full-Tension splice: Bar-break under tensile load.
- Easy installation, no torque wrench required.
- One standard coupler for all splicing requirements (Standard / Position).
- Couplers and threaded bars are protected by plastic caps.
- Full traceability of material origin and production batch.

Benefits

- Provides continuity of reinforcing bars.
- Allows full ductile elongation of bars.
- No staggering of splices bars required.
- Practical alternative to lap splicing.
- Solves bar congestion problems.
- Shortens construction cycle time.
- Reduces steel wastage.
- Enables multiple re-use of formworks.



Typical Bar-Break Performance



A 4 Steps manufacturing process

Cutting

The end of the reinforcing bar is sawn square



Cold forging

The sawn end of the reinforcing bar is then enlarged by cold forging process the core diameter of the bar is increased to a pre-determined diameter.



Turning

The rib of forged bar is removed by turning process for even surface.



Threading

Finally, the thread is mechanically cut onto the enlarged end of the bar.

