

# **COMMERCIAL DOCUMENTATION**



# **REINFORCEMENT SYSTEMS | TEC TERWA END COUPLERS**





# **TERWA END COUPLERS - TEC**

The Terwa end coupler represents an efficient alternative to the traditional connections roof-column, beam-column or foundation-column.

TERWA END COUPLER	CLASSIC SOLUTION							
<ul> <li>The end coupler features the following advantages:</li> <li>Minimises the length of the rebar and reduces the congestion inside the concrete element.</li> <li>Eliminates the hooks.</li> <li>Faster, simpler installation.</li> <li>Simplifies the structural design.</li> <li>Better anchorage in the concrete element.</li> </ul>	<ul> <li>The traditional method consists of a hooked rebar anchorage, which has a series of disadvantages:</li> <li>Requires longer lengths of anchorage, which increases rebar congestion.</li> <li>Installation is more labour intensive.</li> <li>Execution time is longer.</li> <li>Hidden costs, especially for larger diameters (the lap length grows proportionately to the reinforcement steel diameter).</li> <li>Decreased safety at construction sites</li> </ul>							
Column connection								
Foundation	connection							

Terwa end coupler consists of a threaded round steel plate, which fits the PSA-PSC connection or the TSE connection. Terwa end couplers meet the ACI 318 and Eurocode 2 concerning the embedding lengths for reinforcement steel. The end coupler is designed and tested to ensure proper embedding in concrete, having a contact area equal to 9 times the rebar cross section area, or a minimum diameter 3 times the rebar diameter.







Terwa end couplers are available electrolytic galvanised or without coating.

	Product no.		Thread	Thickness A	D	Rebar diameter (d)	Weight
End coupler	Electrolytic galvanised EV	Without coating	Metric	[mm]	[mm]	[mm]	[kg/pc]
TEC-M12	61614	61556	M12	10	38	10	0.084
TEC-M16	61615	61557	M16	12	45	12	0.137
TEC-M20	61616	61558	M20	18	60	16	0.369
TEC-M24	61617	61613	M24	20	75	20	0.644
TEC-M30	61618	61560	M30	27	90	25	1.231
TEC-M36	61619	61561	M36	30	105	28	1.850
TEC-M42	61620	61562	M42	35	120	32	2.804
TEC-M48	61621	61563	M48	40	145	40	4.729



CONTACT



TERWA is the global supplier for precast and construction solutions with multiple offices around the world. Our staff, partners and agents are happy to provide all construction and precast companies who work in the building industry with full service and 100% support.

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