

TA — Staircase Angle

Material: Carbon Steel 2.7mm thick

Finish:

ZMAX® Galvanised: TA9Z-R



Size: See illustration on the right

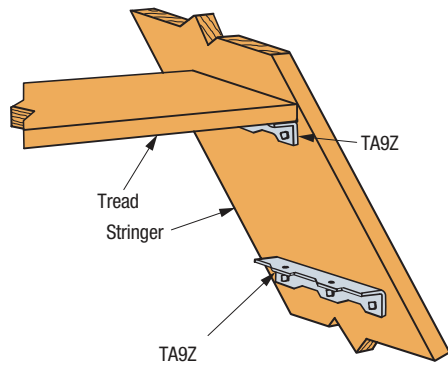
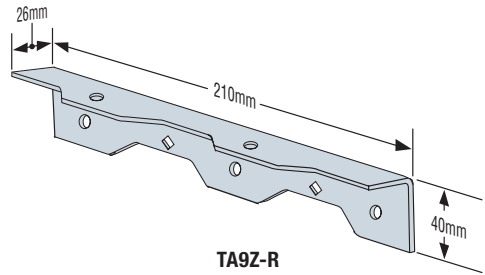
Features & Benefits

- Quick and simple installation
- Eliminates costly conventional notching

Installation

- Use all specified fasteners
- Installs easily with Strong-Drive® SDS Heavy-Duty Connector screws; no pre-drilling required

Construction Details



TA9 Staircase Tread-to-Stringer Connection

TA9 Technical Data

Model No.	Fasteners (No. – Dia. x Length, mm)		Country	Design Download Capacity (kN)
	Stringer	Tread		
TA9Z-R	3 – SDS6.4 x 38	2 – SDS6.4 x 38	AU	$k_1 = 0.69$
				3.6
			NZ	$k_1 = 0.80$
				4.2

1. Design Capacity is the lesser of (1) the Characteristic Capacity multiplied by the Australian Capacity Factor, or the NZ Strength Reduction Factor (ϕ), and applicable the k modification factors following AS 1720.1 and NZS 3603 and (2) the Serviceability Capacity which is the load at 3.2mm joint slip. Design Capacity is the minimum of test data and structural joint calculation.
2. For Australia, the Capacity Factor (ϕ) is 0.85 for nails and screws for structural joints in a Category 1 application. Reduce tabulated values where other Category applications govern. For NZ, the Strength Reduction Factor (ϕ) is 0.80 for nails in lateral load and 0.70 for other fasteners.
3. Duration of Load Factor (k_1) is as shown. Reduce Duration of Load Factor where applicable. Capacities may not be increased.
4. Timber species for joint design is seasoned Radiata Pine, which is Australia Joint Group JD4 per AS 1720.1 Table H2.4 and New Zealand Joint Group J5 per NZS 3603 Table 4.1.