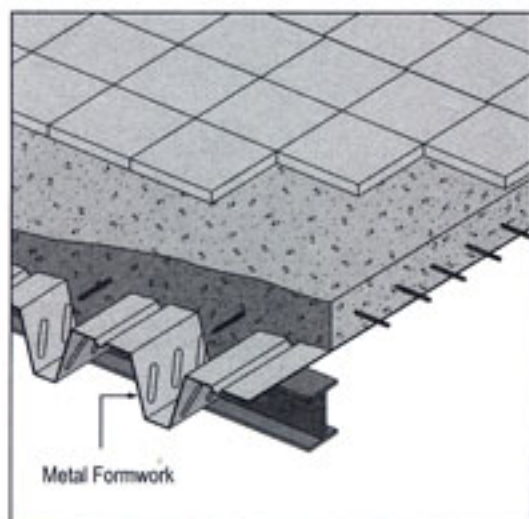


TENN SPRING HANGERS

Concrete Inserts

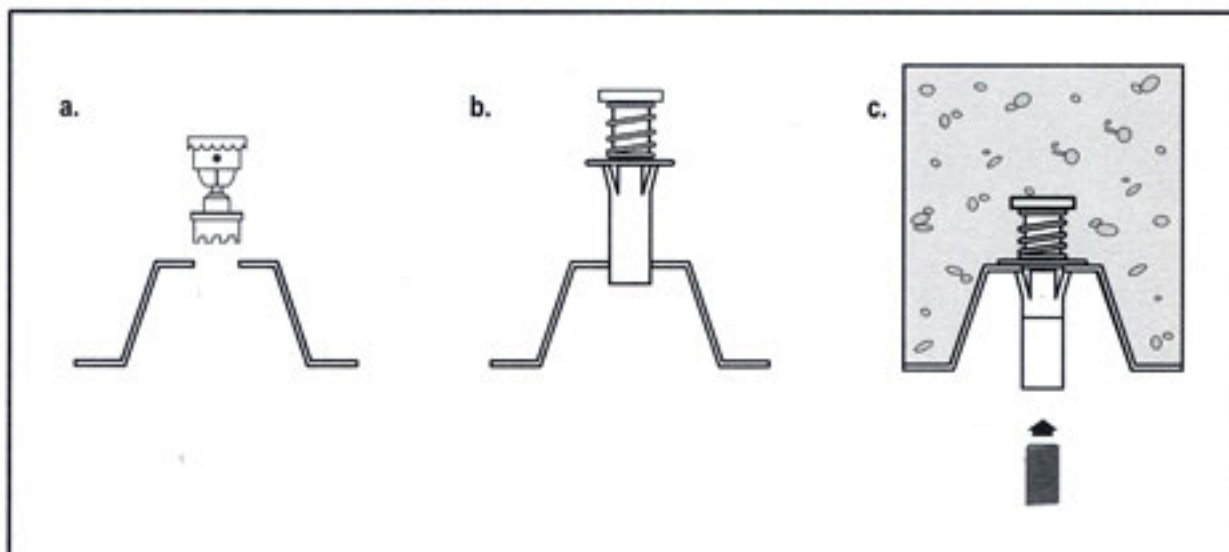


Tenn Spring Hanger are cast-in-place sockets designed to provide reliable attachment points for bolts and drop rods for overhead suspensions e.g. for ceilings, pipework and mechanical services.



Tenn Spring Hangers are installed onto metal sheet formwork used to support a poured concrete floor. After the concrete has cured their color-coded plastic flange is clearly visible on the deck undersides, allowing connection of steel threaded rod or bolts in sizes ranging from 1/4" to 3/4".

INSTALLATION PROCEDURE



a. Before concrete is poured, drill hole on the metal decking.

b. Install Spring Hanger.

c. Spring Hanger becomes integral with the concrete after the concrete is cured.

Tenn Spring Hanger Range

Type	Anchor Size & Internal Thread Diam. <i>d</i> , inch	Colour Code	Embedment Depth <i>h_{ef}</i> , mm	Critical Spacing <i>s_{cr}</i> , mm	Critical Edge Distance <i>c_{cr}</i> , mm	Ultimate Loads* in C20/25 Concrete	
						Tension <i>N_u</i> , kN	Shear <i>V_u</i> , kN
TSH.602	1/4" - BSW	Brown	55	250	165	22.5	12.1
TSH.603	3/8" - BSW	Green	55	250	165	22.5	23.4
TSH.604	1/2" - BSW	Yellow	55	250	165	22.5	31.9
TSH.605	5/8" - BSW	Red	55	250	165	24.0	26.7
TSH.606	3/4" - BSW	Purple	55	250	165	24.0	26.7

*A safety factor of 4 is recommended for single anchors under static loading conditions.