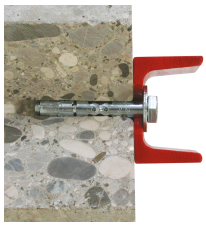
Technical Sheet

TSA-PATTEN
Metal Sleeve Anchor

TSA-PATTEN is a sleeve anchor which allows for quick and easy installation in solid materials due to the low installation torque needed to install it.







Features

Material

- Steel
- White zinc plated

Benefits

- Uniform expansion ensured by the three expanding segments made out of a single pressed steel body
- Special shaped slots on the three expanding segments pull down gaps between the fixture and base material

Applications

Applications

- Brackets
- Garage doors
- Signs

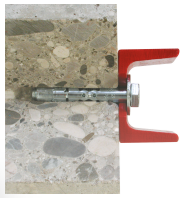
Suitable for

- Non-cracked concrete
- Solid brick (partially suitable)
- Solid stone

Technical Sheet

TSA-PATTEN
Metal Sleeve Anchor

Technical Data



Product Dimensions - Hex head screw grade 8.8

Product Dimensions - Hex head screw grade 8.8
See full table online ➡️

Reference	Hole diameter [d_o] x depth	with standard	Hole diameter	Qty per	Qty per	Product Reference	Plug[mm]	Size[mm]	Wrench	Total lenght	hole depth	Nominal embedment	Installation
												Installation data	

Product Dimensions - Hex socket countersunk head

Product Dimensions - Hex socket countersunk head
See full table online ➡️

Reference	Metallic fixings dimensions								Ins
	Other				Product Dimensions[mm]				
	Hole diame [d_o] x dep [h_1] in substrate[r						Total lenght [L_t] [mm]	Min. hole depth [h_1] [mm]	N emi [hn
				[$h_{ef,stD}$] [mm]					

Product Dimensions - Flanged Nut

Product Dimensions - Flanged Nut
See full table online ➡️

Reference	Metallic fixings dimensions						Installation data		Sp
	Other				Product Dimensions[mm]		Installation data		
	Hole diame [d_o] x dep [h_1] in substrate[r							Installation torque[Nm]	Min. settin depti [hef] [mm
				[$h_{ef,stD}$] [mm]					

Technical Sheet

TSA-PATTEN
Metal Sleeve Anchor

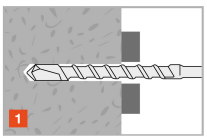
Recommended capacities - single anchor

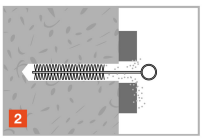
Reference	Metallic fixings dimensions	Metallic fixings loads		Installation data	
	Product Reference	Recommended loads - Non-cracked concrete		Spacing and edge distances	
		Tension - N_{rec}[kN]	Shear - V_{rec}[kN]	Characteristic edge distance[mm]	Characteristic spacing(5) - Scr,N[mm]
		C20/25[kN]	C20/25[kN]		
79602B0804500	TSA-PATTEN	1.2	1.2	75	100
79602B0806000	TSA-PATTEN	1.2	1.2	75	100
79602B0808000	TSA-PATTEN	1.2	1.2	75	100
79602B0810000	TSA-PATTEN	1.2	1.2	75	100
79602B0812000	TSA-PATTEN	1.2	1.2	75	100
79602B0814000	TSA-PATTEN	1.2	1.2	75	100
79602B0816000	TSA-PATTEN	1.2	1.2	75	100
79602B1006000	TSA-PATTEN	1.6	1.6	85	120
79602B1008000	TSA-PATTEN	1.6	1.6	85	120
79602B1010000	TSA-PATTEN	1.6	1.6	85	120
79602B1012000	TSA-PATTEN	1.6	1.6	85	120
79602B1014000	TSA-PATTEN	1.6	1.6	85	120
79602B1016000	TSA-PATTEN	1.6	1.6	85	120
79602B1207000	TSA-PATTEN	2.2	2.2	110	155
79602B1210000	TSA-PATTEN	2.2	2.2	110	155
79602B1213000	TSA-PATTEN	2.2	2.2	110	155
79602B1215000	TSA-PATTEN	2.2	2.2	110	155
79602B1607000	TSA-PATTEN	3.8	3.8	115	160
79602B1611000	TSA-PATTEN	3.8	3.8	115	160
79602B1615000	TSA-PATTEN	3.8	3.8	115	160

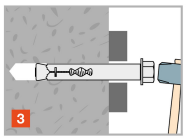
**These values are for guidance only*

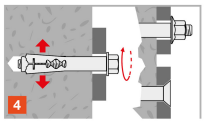
TSA-PATTEN
Metal Sleeve Anchor

Installation









Copyright by Simpson Strong-Tie®
Information presented on this document is the exclusive property of Simpson Strong-