Technical Data Sheet

Tek Screw



Tek Screw

Check for updates



Purpose
Fastening brick-tie channel through insulation to SFS

Head style
5/16" Hexagonal Head

Washer size
12mm Ø

Drill point
TEK 3

Thread form
Coarse Thread

Coating
Electroplated Zinc ≥ 5µm

Shank Material
Stainless Steel

Material Grade
AISI A304

Drilling Point Material Grade
SAE C1022

Steel Thickness
1.2 - 4.0mm

Product code	Length (mm)	Insulation range (mm)
TSHTS12A255X105	105	50-60
TSHTS12A255X130	130	61-90
TSHTS12A255X150	150	91-110
TSHTS12A255X180	180	111-140
TSHTS12A255X200	200	141-170
TSHTS12A255X230	230	171-190
TSHTS12A255X270	270	191-230
TSHTS12A255X300	300	231-250

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Ultimate Withdrawal Resistance, N_{Rk} , from S355JR Steel (N)

Diameter	Nominal Substrate Thickness, t_{nom}					
	1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
5.5mm	1,700 N	2,100 N	2,500 N	3,300 N	4,100 N	5,400 N

Ultimate Mechanical Performance

Property	Magnitude
Tensile Capacity, (F_{ult},R_k)	13,300 N
Shear Capacity, (V_{ult},R_k)	9,900 N

Ultimate Pullover Performance

Steel Thickness	Magnitude
0.6mm	2,400 N
1.2mm	8,100 N

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