



# PRODUCT DATASHEET

## Bi Metal Standard Tek (Unwashed)

### EVO-DS-TB-LH-0050

#### PRODUCT DETAILS

Purpose:	Fastening in aluminium sheeting and panels
Head style:	Hexagonal Drive bit: 5/16" hexagonal
Thread Form:	Twin, coarse thread (Tek 3)/fine thread (Tek 5)
Shank material:	Stainless steel
Material Grade:	AISI A304
Coating:	Electroplated zinc
Recommended drill speed:	1500 – 2500 RPM
Drilling Point Material Grade:	SAE C1022

#### TEK 3 RANGE UNWASHED – FOR LIGHT STEEL

Product Code	Size	Drill Point	Effective Thread Length	Drilling Capacity
BMHH5.5-25-3	5.5x25mm	Tek 3	14.0mm	1.2-4.0mm
BMHH5.5-38-3	5.5x38mm	Tek 3	27.0mm	1.2-4.0mm
BMHH5.5-50-3	5.5x50mm	Tek 3	38.0mm	1.2-4.0mm
BMHH5.5-65-3	5.5x75mm	Tek 3	55.0mm	1.2-4.0mm
BMHH5.5-80-3	5.5x80mm	Tek 3	68.0mm	1.2-4.0mm
BMHH5.5-100-3	5.5x100mm	Tek 3	88.0mm	1.2-4.0mm

#### TEK 5 RANGE UNWASHED – FOR HEAVY STEEL

Product Code	Size	Drill Point	Effective Thread Length	Drilling Capacity
BMHH5.5-38-5	5.5x38mm	Tek 5	15.0mm	4.0-12.5mm
BMHH5.5-50-5	5.5x50mm	Tek 5	30.0mm	4.0-12.5mm
BMHH5.5-75-5	5.5x75mm	Tek 5	60.0mm	4.0-12.5mm
BMHH5.5-100-5	5.5x100mm	Tek 5	80.0mm	4.0-12.5mm

#### TECHNICAL DATA

##### Tek 3 range – unfactored pull out values

Diameter	Drill Point	Steel Thickness					
		1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
5.5mm	Tek 3	1.7kN	2.1kN	2.5kN	3.2kN	4.3kN	5.5kN

##### Tek 5 range – unfactored pull out values

Diameter	Drill Point	Steel Thickness					
		4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.5mm
5.5mm	Tek 5	6.5kN	7.8kN	10.0kN	11.5kN	12.0kN	12.4kN

#### CHARACTERISTIC MECHANICAL PERFORMANCE

Diameter	Tensile Strength, $(F_{ult}, R_k)$	Shear Strength, $(V_{ult}, R_k)$
5.5mm	14.4kN	10.8kN

#### PULLOVER PERFORMANCE

Diameter	In 0.6mm steel	In 1.2mm steel
5.5mm	2.7kN	8.4kN