



PRODUCT DATA

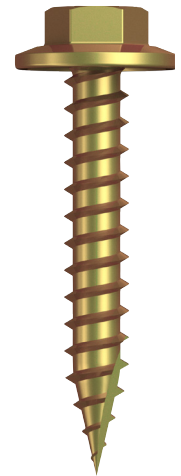
Type 17 Flanged Hex Zinc Yellow Passivate Screw



Description

For fixing timber or thin metal to timber - **Self Drilling 12G**

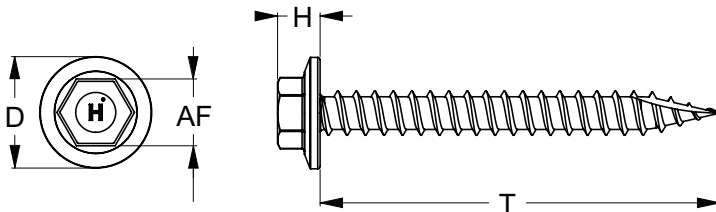
DRILLX[®]

12 Gauge Flanged Hex Head



| Applications | |
|--|---|
| <ul style="list-style-type: none"> • Cladding • Concrete Formwork • Gates & Fences • Signage | |
| Material |  C1022 Hardened |
| Finish |  Zinc Yellow Passivate |

Dimensions



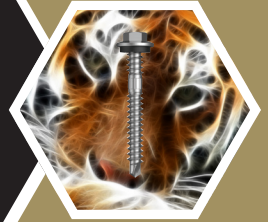
| Part | QFind | Gauge | TPI | Length | | Head Height | Head ø | Drive Size | Pack Qty |
|----------------|-------------|-------|-----|--------|--------|-------------|--------|------------|----------|
| | | | | L (mm) | T (mm) | H (mm) | D (mm) | | |
| T9PWYFH1211025 | Q740 | 12 | 11 | 25 | 25 | 5.5 | 14.5 | HEX 5/16" | 500 |
| T9PWYFH1211030 | Q741 | | | 30 | 30 | | | | |
| T9PWYFH1211035 | Q742 | | | 35 | 35 | | | | |
| T9PWYFH1211040 | Q743 | | | 40 | 40 | | | | 1000 |
| T9PWYFH1211050 | Q760 | | | 50 | 50 | | | | |
| T9PWYFH1211065 | Q762 | | | 65 | 65 | | | | |

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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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Type 17 Flanged Hex Zinc Yellow Passivate Screw

Pullout Values

| Plate Material | Timber Embedment Thickness | ¹ Mean Load | ² Characteristic Load | ³ Working Load |
|----------------|----------------------------|------------------------|----------------------------------|---------------------------|
| | (mm) | (N) | (N) | (N) |
| F7 Pine | 15* | 1500 | 1100 | 450 |
| F7 Pine | 30 | 3550 | 2850 | 1150 |
| Hardwood | 15* | 4250 | 3800 | 1500 |
| Hardwood | 30 | 8250 | 6350 | 2550 |

Designed for self drilling into metal sheets up to 0.55mm thick.

* To ensure maximum pullout loads, it is recommended to install a minimum embedment depth of 30mm

Mechanical Properties

| Part | Torsional Strength | ¹ Mean Tensile Strength | ¹ Mean Shear Strength | ² Characteristic Tensile Strength | ² Characteristic Shear Strength |
|----------------|--------------------|------------------------------------|----------------------------------|--|--|
| | (Nm) | (N) | (N) | (N) | (N) |
| T9PWYFH1211025 | 9.4 | 16400 | 9850 | 15100 | 9050 |
| T9PWYFH1211030 | | | | | |
| T9PWYFH1211035 | | | | | |
| T9PWYFH1211040 | | | | | |
| T9PWYFH1211050 | | | | | |
| T9PWYFH1211065 | | | | | |

Note: 1000N = 1kN

¹ Mean Load/Strength is the average ultimate strength of samples tested.

² Characteristic Load/Strength: 95% of these screws are expected to have a strength greater than the loads shown.

³ Working Load is the governing minimum allowable load obtained by comparing relevant concrete and steel working loads. Factor of Safety (FOS=2.5 for steel, FOS=2.5 for timber, and FOS=3.0 for concrete) are already included.

All values are obtained under laboratory conditions using DRILLX® product. Safety factors should be considered for design purposes. Actual pull out loads may differ depending on certain properties of the base material.

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