FRAMECAD® X-Drive® Framer Data Sheet

Specifically engineered to help businesses reach optimum production rates.

Main Application

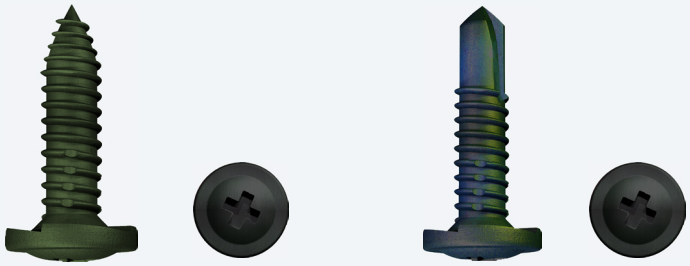
- Pre-fabrication of steel frame walls and trusses
- Sharp Point: Designed for pre-punched, BMT 0.75 – 0.95 mm steel (22 – 20 gauge)
- Drill Point: Designed for pre-punched as well as non-punched, BMT 0.95 to 1.55 mm steel

Features & Benefits

- Self tapping Sharp Point aligns pre-punched holes during frame assembly for a high quality, accurate finish.
- Self tapping Drill Point is designed for easy penetration into heavier gauge steel for quick and easy assembly.
- X-Drive® recess delivers increased stability and higher torque making it significantly easier to drive, reducing worker fatigue and increasing productivity.
- X-Drive® incorporates a larger surface area of engagement, reducing stress on driver bits resulting in fewer breakages.
- Low profile flat head sits perfectly flush with dimple providing a smooth, flat finishing surface for easy and accurate installation of cladding and lining.
- Underhead serrations slow the head down when rotating, reducing the opportunity for strip out and providing resistance to back out, lessening the chance for vibrational loosening during transportation.
- Thin E-Coat plating (optional) enables better driver engagement and smoother driving as the coating does not strip and clog threads. Additionally, E-Coat offers a high level of corrosion resistance and durability to the X-Drive® screw.
- Compatible with Superdrive® collated screw system for increased speed.
- Quality assured, tested and engineered for strength and capability (FRAMECAD® Screw Connection Design Capacity Report available on request).

Manufacturing

- Manufactured in ISO 9001 and ISO 14001 certified and approved facilities.
- The fasteners comply with SAE J78, DIN 18182 and ASTM C 1002, as referred in ICBO report ER-5280, and are approved for use by the Uniform Building Code.
- Patent protected.



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SPECIFICATIONS						
Steel Top Coat Thickness (BMT) Gauge Range	0.75 – 0.95mm (22 – 20 gauge)		0.95 – 1.55mm (20 – 16 gauge)		0.95 - 1.55mm (20-16 gauge)	
Name	10g X Drive® Framer PP (E-Coat)	10g X Drive® Framer PP (Yellow Zinc)	10g X Drive® Framer DP (E-Coat)	10g X Drive® Framer DP (Yellow Zinc)	12g X Drive® Framer DP (E-Coat)	12g X Drive® Framer DP (Yellow Zinc)
Tip Type	Sharp Point (PP)	Sharp Point (PP)	#3 Drill Point	#3 Drill Point	#3 Dril Point	#3 Drill Point
Part #	001236 (Loose) 002962 (Collated)	002056 (Loose) 002961 (Collated)	001877 (Loose) 002964 (Collated)	002048 (Loose) 002963 (Collated)	002965 (Loose) 002966 (Collated)	003617 (Loose) 003176 (Collated)
Gauge	10 (4.8mm)	10 (4.8mm)	10 (4.8mm)	10 (4.8mm)	12 (5.5mm)	12 (5.5mm)
Head Type	Flat	Flat	Flat	Flat	Flat	Flat
Drive Type	X Drive #1	X Drive #1	X Drive #1	X Drive #1	X Driver #1	X Driver #1
TPI	18	18	18	18	18	18
Length (inches)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Length (mm)	19	19	19	19	19	19
Colour	Grey / Green	Yellow	Grey / Green	Yellow	Grey / Green	Yellow
Speed Recommenda-tion (RPM)	2500	2500	2500	2500	2500	2500
Coating Class AS3566.2 2002	3	N/A	3	N/A	3	N/A
Salt Spray Results (hours) ASTM B117	1000	48	1000	48	1000	48
Kesternich Results (cycles) DIN 50018 2.0L	15	2	15	2	15	2

ULTIMATE FASTENER STRENGTH*		
Screw Size	Axial Tension (kN)	Single Shear (kN)
10g X Drive®	9.0	12.3
12g X Drive®	15.3	15.8

*All values are average ultimate values, based on 10g screws.

FRAMECAD® Fasteners are not categorized as structural bolts.

An appropriate safety factor must be determined by a qualified professional for design purposes.

Installation Guidelines:

When using the FRAMECAD® X-Drive® Framer it is important to ensure:

- Pre-holes are well aligned prior to driving screws
- Quality brand screw guns or Impact drivers are used. Suggested specification for optimal performance:

  4 amps minimum and RPM range of 0 to 2,500.

  NOTE: When using impact drivers care should be taken not to overdrive screws at the seating stage resulting in fastener thread or head failure, or strip out of the work surface
- The head is fully seated when the head is flush with the work surface.
- The fastener penetrates beyond the metal by a minimum of three thread pitches.

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