



Rapid Construction

Engineered for Speed, Durability & Performance

Innovation Integration Sustainability

www.framecad.com



FRAMECAD™

HARDWARE

Rapid construction hardware engineered for speed, durability and performance. Designed to deliver for the most advanced end-to-end steel frame building solution.

FRAMECAD offers a complete range of quality fasteners and associated light gauge steel framing tools as part of the FRAMECAD building system.

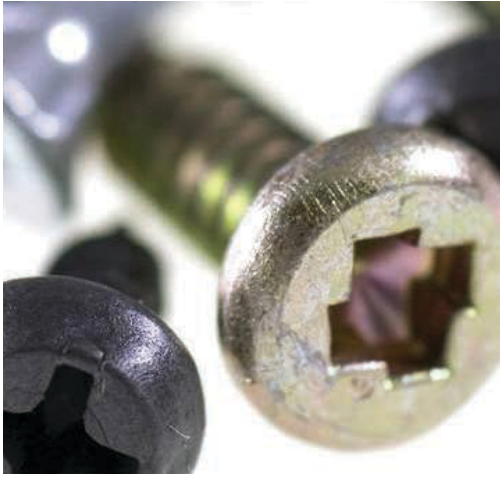
The range includes fasteners for steel frame wall panel & truss assembly, exterior cladding, roofing, interior lining, flooring and other applications. The FRAMECAD range has been developed with 3 key factors in mind – speed, durability & performance.

SPEED – All of our fasteners have been selected to optimise the speed and efficiency of the FRAMECAD building system. We recommend using collated screws with the SuperDrive system, which reduces labour costs by making it quicker and easier to fix screws consistently.

DURABILITY – Corrosion resistance is a critical part of the performance of not just the fastener, but the overall building structure. We offer fasteners different class finishes (per A53566.2 - 2002) to suit different types of environmental conditions. Choosing the correct class coating gives you peace of mind.

PERFORMANCE - All FRAMECAD fasteners have been tested to ensure they are compatible with our building system and meet relevant internationally recognized manufacturing standards. All products are produced by ISO 9002 certified mills and have been tested for shear strength, pull out load and corrosion resistance.

FRAMECAD fasteners are complimented by a range of quality fastening tools recommended for use with light gauge steel framing which enables your team to get the job done quickly and efficiently the first time around.



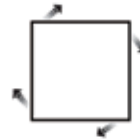
Features & Benefits

Lox Drive Screws

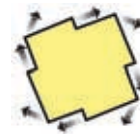
The patented Lox drive system has 8 points of contact, compared to 4 points for Phillips and Square Drive. This is just one reason why Lox delivers the maximum amount of torque and guarantees fully driven screws. Because the screw is more secure on the end of the driver, it is significantly easier and faster to drive, and also causes less wear to the driver tip. FRAMECAD fasteners with the Lox drive system are available for Steel Framing, Cement Board Cladding, Timber Cladding & Flooring applications.



Phillips

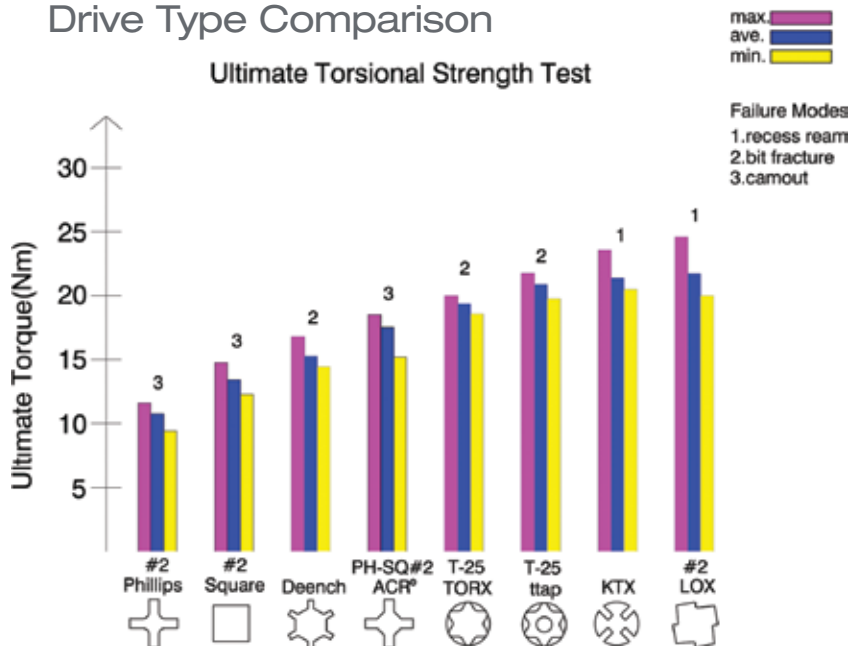


Square



Lox drive

Drive Type Comparison





Features & Benefits



Streaker® Point

A super sharp point means quick and easy penetration into light gauge metal. This is especially good for fixing gypsum board screw to metal framing.



Winged Drill Point

Used to attach plywood, particle or cement board to medium or heavy gauge steel. The wings bore a hole in the wood greater in diameter than the major diameter of the screw. As the point of the fastener enters the metal, the wings are broken off, allowing the fastener to tap into metal. No more pre-drilling holes.



Scavenger® Head

Designed to eliminate paper burrs in drywall with a secondary ring under the normal Bugle head design. This double head effectively reduces paper burns for a cleaner finish.

Totally Integrated Solution.

The FRAMECAD Hardware range has been engineered to deliver at its optimum when used alongside other FRAMECAD building materials.


Corrosion Resistance

When selecting fasteners, you need to balance economics with the environmental conditions and lifetime expectancy of the screw. Even if a screw is used for internal applications, it may be exposed to moisture or salt spray during the construction process. Some internal fasteners are exposed to moisture over their service life in applications such as bathrooms and other wet areas. For these types of applications, a screw with a Class 3 Coating would be ideal.

SuperDrive Collated Screw System












The SuperDrive is an automatic screw delivery system that maximizes the speed for fastening screws. It can be used for walls, ceilings, flooring and metal framing. Using the extension kit gives you over 550mm of extra reach and lets you screw off a 3m ceiling while standing on the ground. Screw off floors without bending or crawling. Screw off drywall twice as fast as ever before.





Tooling & Accessories

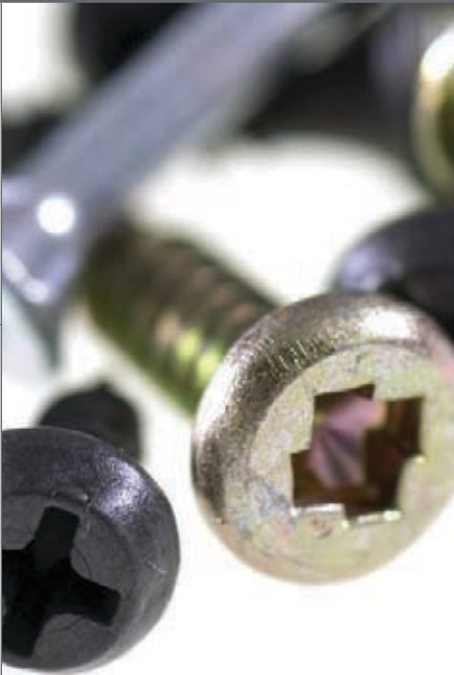
Tooling	Application	Product Description	Code
	Strip Feeders	Superdrive 05 - Metal Framing - 13 to 38mm	000397
		Superdrive 55 - Drywall & Subfloor - 19 to 25mm	001371
		Superdrive 75 - Subfloor & Decking - 19 to 75mm	001459
		Superdrive - Extension Kit	001880
	SuperDrive Nose Pieces	Nose Piece - Floor Boards (Spiked End - Non Slip)	001375
		Nose Piece - Drywall (Flat Head)	001374
		Nose Piece - Barrel (Metal Framing with Dimples)	001405
	Driver Bits *Stick for use with bulk/loose screws	Lox Driver #2 x 50mm - Non-Stick	001347
		Lox Driver #2 x 153mm - Stick*	001466
		Lox Driver #2 x 153mm - Non-Stick	000398
Lox Driver #2 x 178mm - Non-Stick		001881	
Lox Driver #3 x 153mm - Non-Stick		000399	
Lox Driver #3 x 178mm - Non-Stick		001372	
Phillips Drive #2 x 50mm		001549	
Phillips Driver #2 x 153mm		001380	
Square Drive #2 x 50mm		001552	
Square Drive #2 x 150mm		001882	
Cordless Impact Drivers	Impact Driver Kit (240V) 18V	001883	
	Battery Charger (240V) - 14 to 18v	001415	
	18v Li-ion Battery	001884	
	Coupler - Hitachi - other types available	000416	
Hand Tools	Electric Shears Cordless 14.4V	001413	
	Stud Punch Manual 34mm	001428	
	Aviation Snips RH	000755	
	Aviation Snips LH	000756	
	Hand Folder (Lip Flattener)	001458	
Pneumatic Nailers	Pneumatic Nailer - 2.5mm Pins	001819	
	Pneumatic Nailer - 15g Bradder	001818	
Grommets	Grommet 34mm black - Box 1250	001254	
Gloves	Glove XL	001812	
Clamps	C Clamp Quick-release (10cm)	001810	



FRAMECAD Hardware - Glossary

Screw Point Types		
Self Drilling Point (DP)		Fasteners with a point capable of drilling into medium to heavy gauge steel. Drill points are classified as #1 through #5, with a #5 point being capable of penetrating thicker gauge metals.
Pilot Point		A self drilling point with an unthreaded portion of the shank between the point and the threads, designed to attach wood or plywood to medium gauge metal.
Streaker[®] Point		Piercing sharp pointed gypsum board screw for metal studs. The STREAKER has an especially sharp point having multiple threads occurring within the other in the body portion of the screw. In the tapered portion of the screw, one of the threads gradually decreases in diameter and fades into the tapered portion of the shank and terminates. The other thread continues on toward the point end, decreases in diameter and fades into the tapered portion of the shank at a point nearer the pointed end of the screw.
Type 17 Point		A screw slotted at the point (shank slotted) to aid in drilling and displacing hard materials.
Winged Drill Point		Used to attach plywood, particle board and cement board to steel. The wings bore a hole in the wood greater in diameter than the major diameter of the screw. As the point of the fastener enters the metal, the wings are broken off, allowing the fastener to tap into metal.
Winged Point		
Bugle Head		Designed to seat fast and easily into wood or drywall.
Flange Head		High torque head for metal-to-metal applications.
Pan Head		High torque head for metal-to-metal applications.
Bugle Scavenger[®] Head		Designed to eliminate paper burrs in drywall with a secondary ring under the normal Bugle head design. This double head effectively reduces paper burns for a cleaner finish.
Wafer Head		Low profile head for wood, lath, and metal-to-metal applications.
Countersink Head (CSK)		Designed to seat easily into wood for a smooth finish.

Drive Types		
Lox Drive™		A “stick fit”, high torque recess that eliminates the need for a magnetic bit holder. No cam-out & longer bit life.
Phillips Drive		Phillips Drive
Square Drive (Robertson)		Four-sided recess. Higher torque than a Phillips drive.
Hex Drive		High Torque head for metal to metal applications.

Corrosion Testing Methods		
Salt Spray Test (SST)		A common testing method to determine the corrosion resistance of plating and finishes. Fasteners and materials to be tested are placed in a fog chamber with an atmospheric mixture of water and sodium chloride that is maintained at 100% humidity. Test results are expressed in hours of exposure without evidence of normal corrosion. Tests are conducted in accordance to ASTM B117.
Kesternich Test		A test of the corrosion resistance of materials and fasteners which involves repeated condensation and drying cycles. Fasteners submitted for Kesternich tests are maintained at 18° C to 28° C and 75% humidity for 16 hours, after being exposed to a contained sulfur dioxide atmosphere at 40° C and 100% humidity for 8 hours. Test results are expressed in the number of cycles of exposure completed without evidence of normal corrosion.

Corrosion Resistance Comparisons			
Colour	Coating Class per AS 3566.2 - 2002	Salt Spray Test (SST) Hours per AS 3566.2- 2002	Normal Environment
Varies	1	72	Interior
Varies	2	240	Interior
Varies	3	1000	Exterior or 'Wet' Interior
Varies	4	2000	Exterior

FRAMECAD Hardware - Glossary

Strength Tests	
Pull-out Resistance	Amount of force required to pull a fastener out of a specified thickness of wood or steel.
Shear Strength	Measure of the force that when applied at a right angle, will break a fastener.
Ultimate Load	A load that during a controlled test, produced complete failure of the fastener.

Sheet Metal Thickness (Gauge) Chart in Inches & Millimetres		
Gauge	Galvanized Steel (inches)	Galvanized Steel (mm)
14	0.080	2.00
15	0.070	1.80
16	0.065	1.60
17	0.060	1.45
18	0.050	1.30
19	0.045	1.15
20	0.040	1.00
21	0.035	0.95
22	0.035	0.85
23	0.030	0.80
24	0.030	0.70
25	0.025	0.65
26	0.020	0.55

For more information please email: info@bonpac.com

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