



BRIGHTON-BEST INTERNATIONAL

T E C H N I C A L G U I D E



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Screws

1. Drive Styles

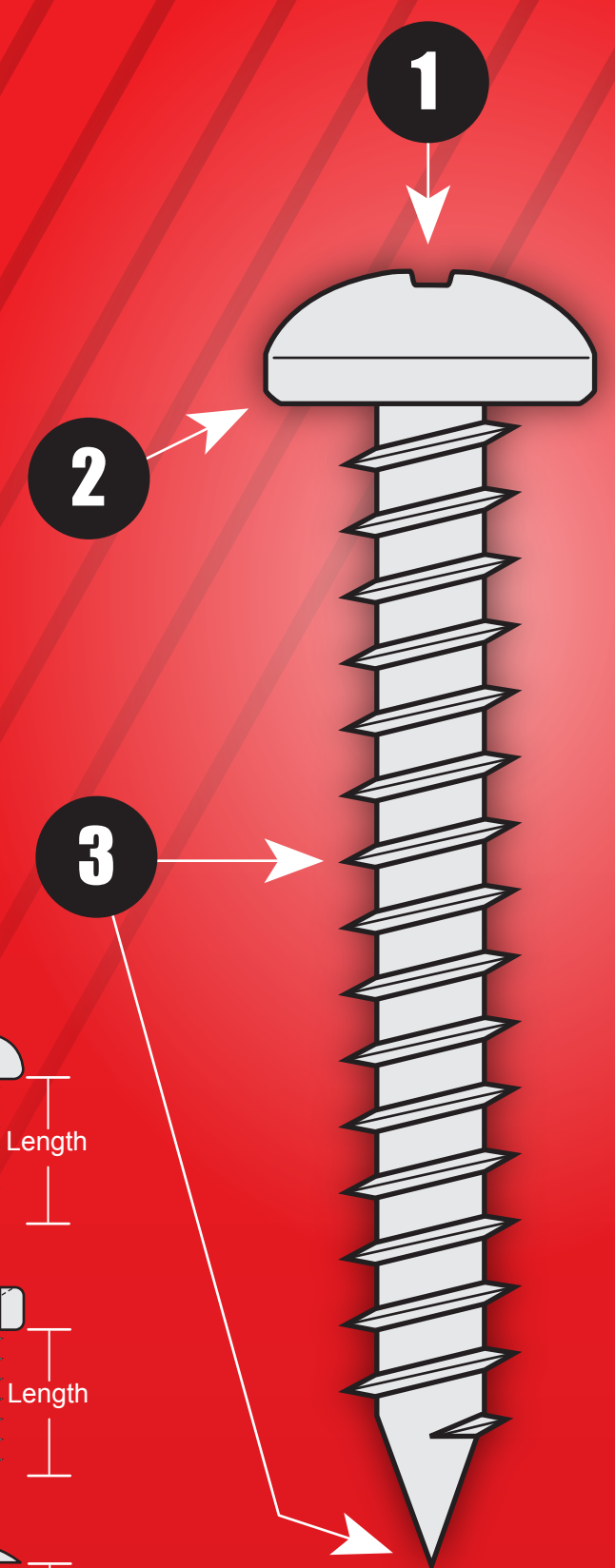
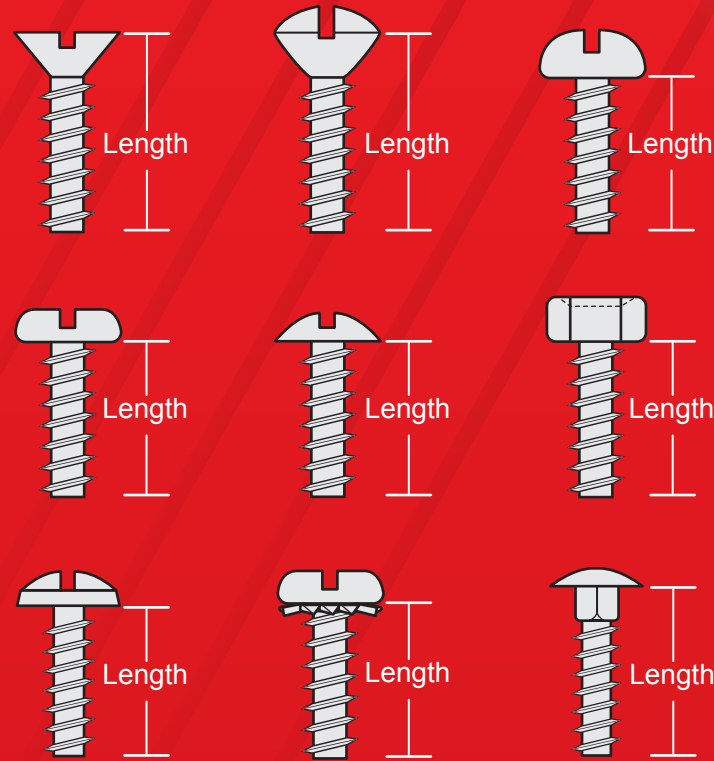
- Phillips
- Slotted
- Combination (Phillips/Slot)
- Six Lobe
- Hexagon
- Hexagon Washer
- Slotted Hexagon Washer
- Square
- Pozi Drive

3. Point/Thread Styles

- Sheared End / Machine Screw
- Wood Screw
- Type A Self Tapping
- Type AB Self Tapping
- Type B Self Tapping
- Hi-Lo Self Tapping
- Type 25 Thread Cutting
- Type 23 Thread Cutting
- Type F Thread Cutting
- Gimlet / Lag Screw
- Thread Rolling for Plastics
- Tri-Lobular Thread Rolling
- Type 2 Self Drilling
- Type 3 Self Drilling
- Deck / Particle Board Screw
- Round Type U Drive Screw
- Dry Wall Screw Sharp Point
- Dry Wall Screw Drill Point
- Sharp Point / Self Piercing

2. Head Styles

- Pan
- Round
- Truss
- K-Lath/Modified Truss
- Oval
- Bugle
- Flat (82 degree)
- Indented Hexagon
- Indented Hexagon Washer
- Fillister
- Binding
- Square Shoulder Screw (Carriage, Elevator & Step Bolts)



Categories

Categories	Type	Use / Application
Machine Screws		Used with a nut or tapped hole in a wide variety of general applications.
Tapping Screws		
	Type A-Self Tapping	For use in metal .015 to .050 thick. Used with drilled, punched or nested holes in sheet metal, resin impregnated plywood, asbestos combinations, among others.
	Type AB-Self Tapping	A tapping screw combining point of Type A with fine thread pitch of Type B.
	Type B-Self Tapping	A tapping screw for use in metal .050 to .200 thick. Larger root diameter with finer thread pitch for light and heavy sheet metal non-ferrous castings, plastics, impregnated plywoods, asbestos combinations, and other materials.
	Type 25-Thread Cutting	A thread cutting screw similar to Type 23 point except with Type B thread. For plastics and other soft materials with large chip clearing and cutting edges.
	Type 23-Thread Cutting	A thread cutting screw in the fine thread series offering maximum thread cutting area and excellent chip clearing, with minimum tightening torques.
	Type F-Thread Cutting	A thread cutting screw with machine screw thread with blunt tapered point, have multi-cutting edges and chip cavities. For heavy gauge sheet metal, aluminum, zinc, and lead die castings, cast iron, brass and plastic.
	Thread Rolling Screws	For drilled, punched or cored holes in ductile metals.
Construction		
	Drywall Screws	Used to attach drywall to wood or metal studs.
	Decking Screws	Coarse threaded screws with an extra sharp point for use in deck building.
	Self-Drilling Screws	Self-drilling screws have "Drill-Bit Points" for applications that are not pre-drilled. Also known as TEK Screws.
	Self-Piercing Screws	Self-Piercing Screws are tapping screws with an extra sharp point that eliminates the need for pre-drilled holes in thin metal.

Hardness Technical Data

Description	(S) Surface / (C) Case Hardness	Core Hardness (After Tempering)	Material
Tapping Type A/AB/B	(S)Rockwell C45 min	Rockwell C28-38	AISI 1016-1024 or Equivalent Steel
Self Tapping Hi-Lo	(C)Rockwell C45 min	Rockwell C28-36	AISI 1019-1022 or Equivalent Steel
Thread Cutting Type 25/23/F	(S)Rockwell C45 min	Rockwell C28-38	AISI 1016-1024 or Equivalent Steel
Type F Torx Floorboard Screws	(S)Rockwell C45 min	Rockwell C28-38	AISI 1016-1024 or Equivalent Steel
Tri-Lobular Thread Rolling	(C)Rockwell C45 min	Rockwell C28-38	AISI 1016-1024 or Equivalent Steel
Self Piercing Screws	(S)Rockwell C45 min	Rockwell C28-38	AISI 1018-1022 or Equivalent Steel
Self Drilling Screws	(C)Rockwell C52-58	Rockwell C32-40	AISI 1016-1024 or Equivalent Steel

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