



# 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

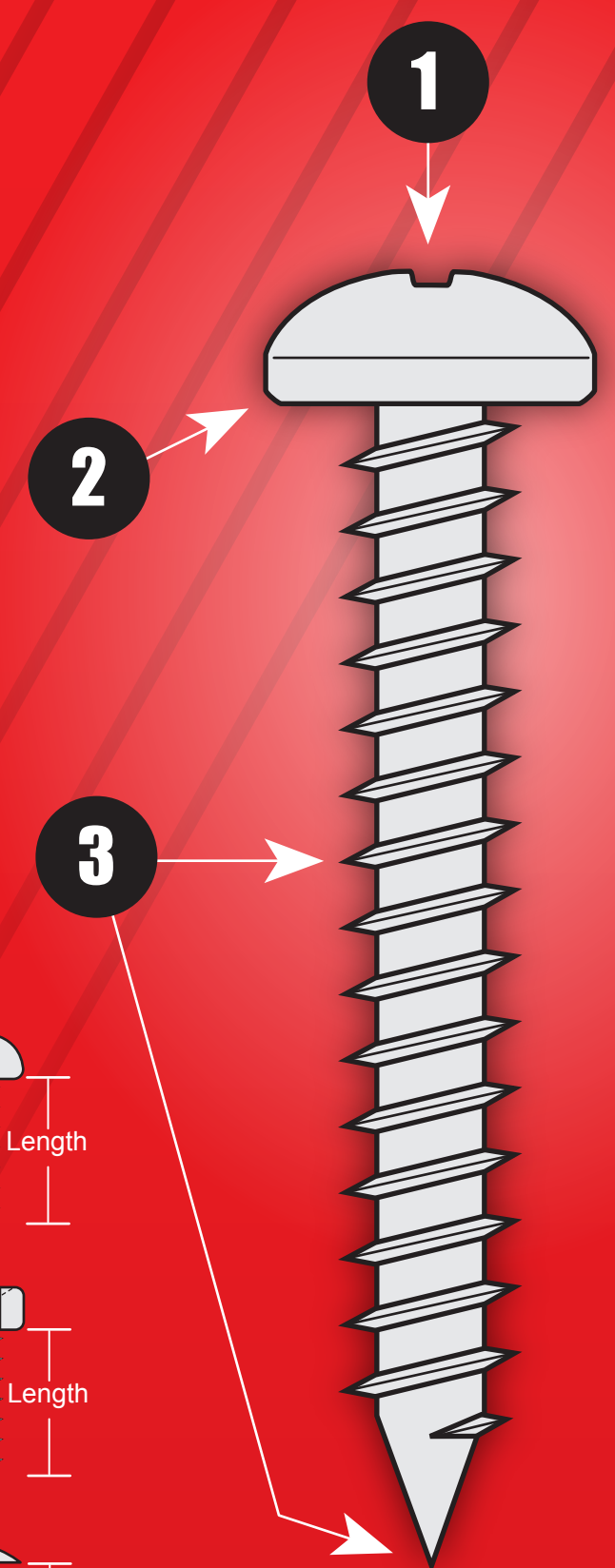
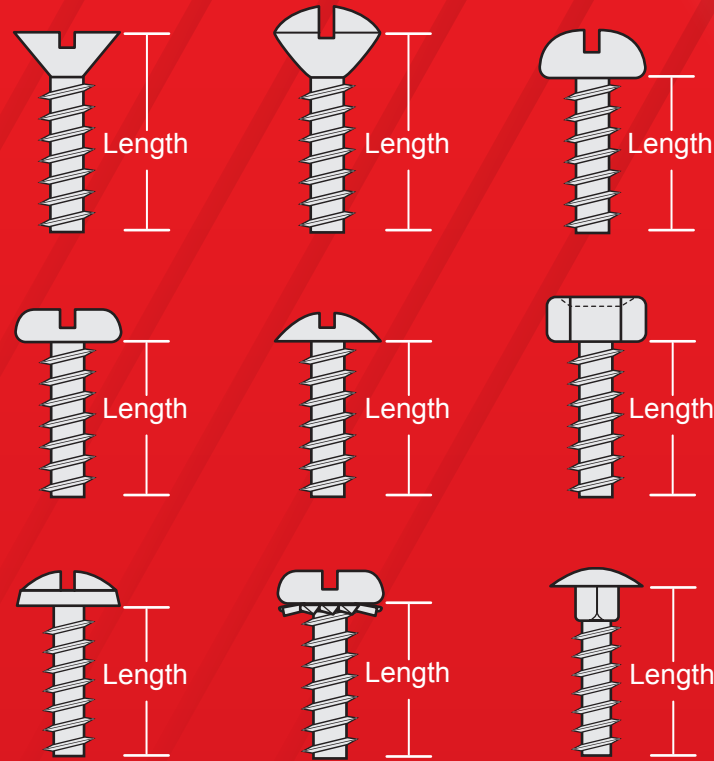
- Phillips
- Slotted
- Combination (Phillips/Slot)
- Six Lobe
- Hexagon
- Hexagon Washer
- Slotted Hexagon Washer
- Square
- Pozi Drive

### 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   |
|-----------------------|-------------------------------|---|
| <b>Machine Screws</b> |                               | Used with a nut or tapped hole in a wide variety of general applications.   |
| <b>Tapping Screws</b> |                               |   |
|                       | <b>Type A-Self Tapping</b>    | 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.   |
|                       | <b>Type AB-Self Tapping</b>   | A tapping screw combining point of Type A with fine thread pitch of Type B.   |
|                       | <b>Type B-Self Tapping</b>    | 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. |
|                       | <b>Type 25-Thread Cutting</b> | 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.  |
|                       | <b>Type 23-Thread Cutting</b> | A thread cutting screw in the fine thread series offering maximum thread cutting area and excellent chip clearing, with minimum tightening torques.   |
|                       | <b>Type F-Thread Cutting</b>  | 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.            |
|                       | <b>Thread Rolling Screws</b>  | For drilled, punched or cored holes in ductile metals.  |
| <b>Construction</b>   |                               |   |
|                       | <b>Drywall Screws</b>         | Used to attach drywall to wood or metal studs.  |
|                       | <b>Decking Screws</b>         | Coarse threaded screws with an extra sharp point for use in deck building.  |
|                       | <b>Self-Drilling Screws</b>   | Self-drilling screws have "Drill-Bit Points" for applications that are not pre-drilled. Also known as TEK Screws.   |
|                       | <b>Self-Piercing Screws</b>   | 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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