SELF-TAPPING & THREAD-CUTTING SCREWS

STEEL and STAINLESS
STEEL ZINC

THREAD-CUTTING

TYPE-F
- Flat Phillips
- Flat Phillips Undercut
- Oval Phillips
- Pan Phillips
- Truss Phillips
- Flat Slotted
- Pan Slotted
- Round Slotted
- Hex Slotted
- Hex Unslotted
- Hex Washer Phillips
- Hex Washer Slotted
  - Standard
  - Serrated
- Hex Washer Unslotted
- Hex Washer Slotted
- Flat Six-Lobe Zinc
- Flat Six-Lobe Undercut
- Flat Six-Lobe Floorboard Black Phosphate
- Pan Six-Lobe
  - Zinc
  - Black Phosphate
- Pan Square Recess

TYPE-1—STEEL
- Flat Phillips
- Flat Phillips Undercut
- Pan Phillips
- Truss Phillips
- Pan Slotted
- Pan Six-Lobe
- Hex Slotted
- Hex Unslotted
- Hex Washer Slotted
  - Standard
  - Serrated
- Hex Washer Unslotted

TYPE-23—STEEL
- Flat Phillips
- Flat Phillips Undercut
- Hex Washer Phillips
- Oval Phillips
- Oval Phillips Undercut
- Pan Phillips
- Round Phillips
- Truss Phillips
- Pan Slotted
- Hex Slotted
- Hex Unslotted
- Hex Washer Slotted
  - Standard
  - Serrated
- Hex Washer Unslotted
- Flat Six-Lobe
- Pan Six-Lobe

TYPE-25—STEEL
- Flat Phillips
- Flat Phillips Undercut
- Truss Phillips
- Pan Phillips
- Pan Square Recess
- Flat Slotted
- Pan Slotted
- Hex Unslotted
- Hex Washer Slotted
  - Standard
  - Serrated
- Hex Washer Unslotted
- Flat Six-Lobe
- Pan Six-Lobe

SELF-TAPPING

COMBINATION DRIVE
- Hex Washer Type-AB
- Pan Type-A
- Pan Type-AB

PHILLIPS — TYPES A & AB
- Flat Type-A
- Flat Undercut Type-A
- Flat Type-AB
- Flat Undercut Type-AB
- Oval Type-A
- Oval Undercut Type-A
- Oval Type-AB
- Oval Undercut Type-AB
- #8 Oval with #6 Head Type-A
- #8 Oval with #6 Head Type-AB
- #10 Oval with #8 Head Type-AB
- Pan Type-A
- Pan Type-AB
- Pan Type-AB, Nickel Plate
- Pan Type-AB w/ Serrations
- Round Type-A
- Round Type-AB
- Round Washer
  - Type-A, Zinc Plate
  - Type-AB
  - Type-A, Chrome Plate

TRUSS
- Type-A
- Type-AB
- Type-A, Chrome Plate

HEX WASHER
- Phillips Type-A
- Phillips Type-AB

SLOTTED — TYPES A & AB
- Flat Type-A
- Flat Undercut Type-A
- Flat Type-AB
- Flat Undercut Type-AB
- Oval Type-A
- Oval Undercut Type-A
- Oval Type-AB
- Oval Undercut Type-AB
- Pan Type-A
- Pan Type-AB
- Pan Type-AB, Nickel Plate
- Pan Type-AB w/ Serrations
- Round Type-A
- Round Type-AB
- Round Washer
  - Type-A, Zinc Plate
  - Type-AB
  - Type-A, Chrome Plate
  - Type-A, Zinc Plate
  - Type-AB
  - Type-A, Chrome Plate

POZIDRIV® ALTERNATIVES
- Pan Type-AB

TYPE-B — PHILLIPS
- 82° Flat Phillips
- Flat Undercut Phillips
- 100° Flat Phillips
- Oval Phillips
- Pan Phillips
- Round Phillips
- Truss Phillips
- Hex Washer Phillips

TYPE-B — SLOTTED & UNSLOTTED
- Pan Slotted
- Hex Slotted
- Serrated Hex Washer Slotted
- Serrated Hex Washer Unslotted
- Hex Washer Slotted
- Hex Washer Unslotted

TYPE-B — SIX LOBE
- Flat
- Flat Undercut
- Pan

SELF-PIERCING
- Hex Washer Combination
- Hex Washer Slotted
  - Standard
  - w/ Neo-EPDM Washer
  - w/ White-Painted Head
  - Serrated
- Hex Washer Unslotted
  - Standard
  - Serrated
- Truss Modified Phillips

HIGH-LOW SCREWS
- Flat Phillips
- Flat Undercut Phillips
- Hex Washer Phillips
- Pan Phillips
- Flat Six-Lobe
- Flat Undercut Six-Lobe
- Pan Six-Lobe
- Truss Phillips
- Pan Pozidriv
- Hex Washer Slotted
- Hex Washer Unslotted

SQUARE RECESS — TYPES A & AB
- Flat Type-A
- Flat Type-AB
- Flat Undercut Type-A
- Flat Undercut Type-AB
- Pan Type-A
- Pan Type-AB
- Round Washer Type-A
- Truss Type-AB

SIX LOBE
- Flat Type-A
- Flat Type-AB
- Flat Undercut Type-A
- Flat Undercut Type-AB
- Pan Type-A
- Pan Type-AB
- Round Washer Type-A
- Truss Type-AB

TYPE/B PHILLIPS
- 82° Flat Phillips
- Flat Undercut Phillips
- 100° Flat Phillips
- Oval Phillips
- Pan Phillips
- Round Phillips
- Truss Phillips
- Hex Washer Phillips

TYPE/B SLOTTED & UNSLOTTED
- Pan Slotted
- Hex Slotted
- Serrated Hex Washer Slotted
- Serrated Hex Washer Unslotted
- Hex Washer Slotted
- Hex Washer Unslotted

TYPE/B SIX LOBE
- Flat
- Flat Undercut
- Pan

THREAD-CUTTING

TYPE-F
- Flat Phillips
- Flat Phillips Undercut
- Oval Phillips
- Pan Phillips
- Truss Phillips
- Flat Slotted
- Pan Slotted
- Round Slotted
- Hex Slotted
- Hex Unslotted
- Hex Washer Phillips
- Hex Washer Slotted
  - Standard
  - Serrated
- Hex Washer Unslotted
- Hex Washer Slotted
- Flat Six-Lobe Zinc
- Flat Six-Lobe Undercut
- Flat Six-Lobe Floorboard Black Phosphate
- Pan Six-Lobe
  - Zinc
  - Black Phosphate
- Pan Square Recess

TYPE-1—STEEL
- Flat Phillips
- Flat Phillips Undercut
- Pan Phillips
- Truss Phillips
- Pan Slotted
- Pan Six-Lobe
- Hex Slotted
- Hex Unslotted
- Hex Washer Slotted
  - Standard
  - Serrated
- Hex Washer Unslotted

TYPE-23—STEEL
- Flat Phillips
- Flat Phillips Undercut
- Hex Washer Phillips
- Oval Phillips
- Oval Phillips Undercut
- Pan Phillips
- Round Phillips
- Truss Phillips
- Pan Slotted
- Hex Slotted
- Hex Unslotted
- Hex Washer Slotted
  - Standard
  - Serrated
- Hex Washer Unslotted
- Flat Six-Lobe
- Pan Six-Lobe

TYPE-25—STEEL
- Flat Phillips
- Flat Phillips Undercut
- Truss Phillips
- Pan Phillips
- Pan Square Recess
- Flat Slotted
- Pan Slotted
- Hex Unslotted
- Hex Washer Slotted
  - Standard
  - Serrated
- Hex Washer Unslotted
- Flat Six-Lobe
- Pan Six-Lobe

SELF-TAPPING

COMBINATION DRIVE
- Hex Washer Drive
- Pan Type-A
- Pan Type-AB

PHILLIPS — TYPES A & AB
- Flat Type-A
- Flat Undercut Type-A
- Flat Type-AB
- Flat Undercut Type-AB
- Oval Type-A
- Oval Undercut Type-A
- Oval Type-AB
- Oval Undercut Type-AB
- #8 Oval with #6 Head Type-A
- #8 Oval with #6 Head Type-AB
- #10 Oval with #8 Head Type-AB
- Pan Type-A
- Pan Type-AB
- Pan Type-AB, Nickel Plate
- Pan Type-AB w/ Serrations
- Round Type-A
- Round Type-AB
- Round Washer
  - Type-A, Zinc Plate
  - Type-AB
  - Type-A, Chrome Plate

TRUSS
- Type-A
- Type-AB
- Type-A, Chrome Plate

HEX WASHER
- Phillips Type-A
- Phillips Type-AB

SLOTTED — TYPES A & AB
- Flat Type-A
- Flat Undercut Type-A
- Flat Type-AB
- Flat Undercut Type-AB
- Oval Type-A
- Oval Undercut Type-A
- Oval Type-AB
- Oval Undercut Type-AB
- Pan Type-A
- Pan Type-AB
- Pan Type-AB, Nickel Plate
- Pan Type-AB w/ Serrations
- Round Type-A
- Round Type-AB
- Round Washer
  - Type-A, Zinc Plate
  - Type-AB
  - Type-A, Chrome Plate
  - Type-A, Zinc Plate
  - Type-AB
  - Type-A, Chrome Plate

POZIDRIV® ALTERNATIVES
- Pan Type-AB

TYPE-B — PHILLIPS
- 82° Flat Phillips
- Flat Undercut Phillips
- 100° Flat Phillips
- Oval Phillips
- Pan Phillips
- Round Phillips
- Truss Phillips
- Hex Washer Phillips

TYPE-B — SLOTTED & UNSLOTTED
- Pan Slotted
- Hex Slotted
- Serrated Hex Washer Slotted
- Serrated Hex Washer Unslotted
- Hex Washer Slotted
- Hex Washer Unslotted

TYPE-B — SIX LOBE
- Flat
- Flat Undercut
- Pan

SELF-PIERCING
- Hex Washer Combination
- Hex Washer Slotted
  - Standard
  - w/ Neo-EPDM Washer
  - w/ White-Painted Head
  - Serrated
- Hex Washer Unslotted
  - Standard
  - Serrated
- Truss Modified Phillips

HIGH-LOW SCREWS
- Flat Phillips
- Flat Undercut Phillips
- Hex Washer Phillips
- Pan Phillips
- Flat Six-Lobe
- Flat Undercut Six-Lobe
- Pan Six-Lobe
- Truss Phillips
- Pan Pozidriv
- Hex Washer Slotted
- Hex Washer Unslotted
SELF-TAPPING

TYPES A & AB

- Phillips Flat Type-A
- Phillips Flat Undercut Type-A
- Phillips Flat Type-AB
- Phillips Flat Undercut Type-AB
- Phillips Pan Type-A
- Phillips Pan Type-AB
- Phillips Hex Washer Type-A
- Phillips Hex Washer Type-AB
- Phillips Oval Type-A
- Phillips Oval Type-AB
- Phillips Oval Type-A, #6 Head
- Phillips Oval Type-AB, #6 Head
- Phillips Round Washer Type-A
- Phillips Round Washer Type-AB
- Phillips Truss Type-A
- Phillips Truss Type-AB
- SlottedIndented Hex Washer
  - Type-A
  - Type-AB
  - Serrated Type-AB
- Unslotted Indented Hex Washer
  - Type-A
  - Type-AB
  - Serrated Type-AB
- Six-Lobe Flat Type-AB
- Six-Lobe Pan Type-AB
- Square Pan Type-A
- Square Pan Type-AB

TYPE B

- Phillips Flat
- Phillips Flat Undercut
- Phillips Pan
- Phillips Truss
- Slotted Hex Washer
- Unslotted Hex Washer

HIGH-LOW SCREWS

- Phillips Flat
- Unslotted Hex Washer
- Phillips Pan
- Six-Lobe Flat
- Six-Lobe Pan

THREAD-CUTTING

TYPE-F

- Phillips Flat
- Phillips Flat Undercut
- Phillips Pan
- Phillips Truss
- Slotted Hex Washer
- Unslotted Hex Washer

TYPE-1

- Phillips Pan
- Unslotted Hex Washer

TYPE-23

- Phillips Pan
- Slotted Hex Washer
- Unslotted Hex Washer

TYPE-25

- Phillips Flat
- Phillips Pan

STEEL BLACK OXIDE

SELF-TAPPING

TYPES A & AB

- Phillips Flat 82° Type-A
- Phillips Flat 82° Type-AB
- Phillips Flat Undercut Type-AB
- Phillips Hex Washer Type-AB
- Phillips Pan Type-A
- Phillips Pan Type-AB
- Phillips Hex Washer Type-A
- Phillips Hex Washer Type-AB
- Phillips Oval Type-A
- Phillips Oval Type-AB
- Phillips Oval Type-A, #6 Head
- Phillips Oval Type-AB, #6 Head
- Phillips Round Washer Type-A
- Phillips Round Washer Type-AB
- Phillips Truss Type-A
- Phillips Truss Type-AB
- Hex Washer Slotted Type-AB
- Hex Washer Unslotted Type-AB
- Six-Lobe Pan Type-AB

TYPE B

- Phillips Flat Undercut
- Phillips Pan

HIGH-LOW SCREWS

- Phillips Flat
- Phillips Pan
- Six-Lobe Flat
- Six-Lobe Pan

THREAD-CUTTING

- Phillips Pan
- Type-23
- Type-25
- Type-F
- Phillips Truss Type-F

STEEL BLACK ZINC

SELF-TAPPING

TYPES A & AB

- Phillips Flat 82° Type-A
- Phillips Flat 82° Type-AB
- Phillips Flat Undercut Type-AB
- Phillips Hex Washer Type-AB
- Phillips Pan Type-A
- Phillips Pan Type-AB
- Phillips Hex Washer Type-A
- Phillips Hex Washer Type-AB
- Phillips Oval Type-A
- Phillips Oval Type-AB
- Phillips Oval Type-A, #6 Head
- Phillips Oval Type-AB, #6 Head
- Phillips Round Washer Type-A
- Phillips Round Washer Type-AB
- Phillips Truss Type-A
- Phillips Truss Type-AB
- Hex Washer Slotted Type-AB
- Hex Washer Unslotted Type-AB
- Six-Lobe Pan Type-AB

TYPE B

- Phillips Flat Undercut
- Phillips Pan

HIGH-LOW SCREWS

- Phillips Flat
- Phillips Pan
- Six-Lobe Flat
- Six-Lobe Pan

THREAD-CUTTING

- Phillips Pan
- Type-23
- Type-25
- Type-F
- Phillips Truss Type-F

STEEL GREEN, YELLOW, & SILVER RUSPERT

STEEL GREEN ZINC (SELF-TAPPING)

TYPE-AB

- Slotted Hex Washer

STEEL YELLOW ZINC (SELF-TAPPING)

TYPE-AB

- Flat Phillips
- Pan Phillips

STEEL SILVER RUSPERT (SELF-TAPPING)

TYPE-AB

- Unslotted Hex Washer

SELF-PIERCING

- Serrated Hex Washer Unslotted

STEEL GREEN ZINC (THREAD-CUTTING)

TYPE-F

- Phillips Hex Washer
- Slotted Hex Washer
- Unslotted Hex Washer

TYPE-1

- Slotted Hex Washer
- Unslotted Hex Washer

TYPE-23

- Slotted Hex Washer
- Unslotted Hex Washer

TYPE-25

- Phillips Flat
- Phillips Pan

STEEL YELLOW ZINC (THREAD-CUTTING)

TYPE-F

- Pan Phillips

TYPE-1

- Slotted Hex Washer
- Unslotted Hex Washer
SELF-TAPPING

**COMBINATION DRIVE TYPE-A**
- Pan 18-8

**PHILLIPS TYPES A & AB**
- Flat Type-A 18-8 & 18-8 (Black Oxide)
- Flat Undercut Type-A (18-8)
- Flat Type-AB (18-8)
- Flat Undercut Type-AB (18-8)
- Oval Type-A (18-8)
- Oval Type-AB (18-8)
- Oval Undercut Type-A (18-8)
- Oval Undercut Type-AB (18-8)
- #8 Oval w/#6 Head Type-A (18-8)
- Pan Type-A (18-8)
- Pan Type-AB (18-8, Plain)
- Pan Type-A (18-8, Black Oxide)
- Pan Type-AB (18-8, Black Oxide)
- Truss Type-A (18-8)
- Truss Type-AB (18-8)
- Truss Type-AB (410)
- Hex Washer Type-A (18-8)

**SLOTTED & UNSLOTTED TYPES A & AB**
- Pan Slotted Type-A (18-8)
- Pan Slotted Type-AB (18-8)
- Hex Washer Slotted Type-A (18-8)
- Hex Washer Slotted Type-AB (18-8)
- Serrated Hex Washer Slotted Type-AB (18-8)
- Hex Wash Unslotted Type-A (18-8)
- Hex Wash Unslotted Type-AB
  - 18-8
  - 18-8, Black Oxide
- Serrated Hex Washer Unslotted Type-AB (18-8)

**SELF-PIERCING**
- Hex Washer Slotted (18-8)
- Hex Washer Slotted (410)
- Hex Washer Unslotted (410)
- Modified Truss Phillips (18-8)
- Modified Truss Phillips (410)

**SIX-LOBE TYPE A & AB**
- Flat Type-AB (18-8)
- Flat Undercut Type-AB (18-8)
- Pan Type-A (18-8)
- Pan Type-AB (18-8)
- Pan Type-AB (18-8, Black Oxide)

**SQUARE RECESS TYPE A & AB**
- Flat Type-A (18-8)
- Flat Undercut A (18-8)
- Flat Undercut AB (18-8)
- Pan Type-A (18-8)
- Pan Type-AB (18-8)

**TYPE-B**
- Phillips Flat (18-8)
- Phillips Flat Undercut (18-8)
- Phillips Flat Undercut (410)
- Phillips Pan (18-8)
- Phillips Truss (18-8)
- Six-Lobe Pan (18-8)
- Unslotted Hex Washer (18-8)
- Slotted Hex Washer (18-8)

**HIGH-LOW**
- Phillips Flat (18-8)
- Phillips Flat (410)
- Phillips Flat Undercut (18-8)
- Phillips Flat Undercut (410)
- Phillips Pan (18-8)
- Phillips Pan (410)
- Slotted Hex Washer (18-8)
- Unslotted Hex Washer (410)
- Unslotted Hex Washer (18-8)
- Six-Lobe Flat (18-8)
- Six-Lobe Pan (18-8)
- Six-Lobe Pan (410)

**THREAD-CUTTING**

**TYPE-F**
- Phillips Flat (410)
- Phillips Flat (18-8)
- Phillips Flat Undercut (410)
- Phillips Flat Undercut (18-8)
- Phillips Flat Undercut (18-8, Black Oxide)
- Phillips Pan (18-8)
- Phillips Pan (410)
- Phillips Truss (18-8)
- Unslotted Hex (18-8)
- Slotted Hex Washer (18-8)
- Slotted Hex Washer (410)
- Unslotted Hex Washer (410)
- Unslotted Hex Washer (18-8)
- Six-Lobe Flat (18-8)
- Six-Lobe Pan (18-8)
- Square Recess Undercut (300)

**TYPE-1**
- Phillips Pan (18-8)

**TYPE-23**
- Phillips Flat (18-8)
- Phillips Flat Undercut (18-8)
- Phillips Pan (18-8)
- Slotted Hex Washer (18-8)
- Unslotted Hex Washer (18-8)

**TYPE-25**
- Phillips Flat (18-8)
- Phillips Flat Undercut (18-8)
- Phillips Pan (18-8)
- Phillips Pan (410)
- Phillips Truss (18-8)
- Six-Lobe Pan (18-8)
- Slotted Hex Washer (18-8)

**THREAD-CUTTING (BLACK OXIDE)**

**TYPE-F**
- Phillips Flat Undercut (18-8)

**DRIVE SCREWS (TYPE-U)**
- Round 18-8
- Round 316

**MILITARY-GRADE**

**SELF-TAPPING**
- MS51861 Pan Phillips Type-AB (Steel Cadmium)
- MS51861 Pan Phillips Type-AB (410 Stainless)
THREAD-CUTTING APPLICATIONS

TYPE-1
Best used in steel sheets, structural shapes, special alloy steels, cast iron, brass or plastics. Point has a single cutting edge which can be useful as a field replacement part.

TYPE-23
Well-suited for cast iron and zinc, aluminum die castings and plastics. Offers largest thread-cutting area with superior chip clearing.

TYPE-25
Preferred for molded or through holes in plastics and other soft materials. Comparable to the Type-23 for thread-cutting area and chip clearing.

TYPE-F
For use in heavy gauge sheet metal, aluminum, zinc and lead die castings, cast iron, brass and plastic. Point has multiple cutting edges, each with small chip cavities.
SELF-TAPPING APPLICATIONS

**HIGH-LOW**
For use in nylon, wood or other low-density materials. Thread design reduces driving torques, enhances resistance to thread stripping, improves pullout strength and lessens the risk of cracking the work piece.

**TYPE-A**
Can be used for self-starting in sheet metals from .015 - .050 thick. It is preferred over a Type-AB in thinner sheets, although the Type-A is not as readily available throughout the industry.

**TYPE-AB**
Can be used for self-starting in sheet metals from .015 - .050 thick. It is preferred over a Type-A in heavier sheets and when used in brittle materials.

**TYPE-B**
For use in molded or through holes in thin metal, non-ferrous castings, plastics or resin-filled plywood.