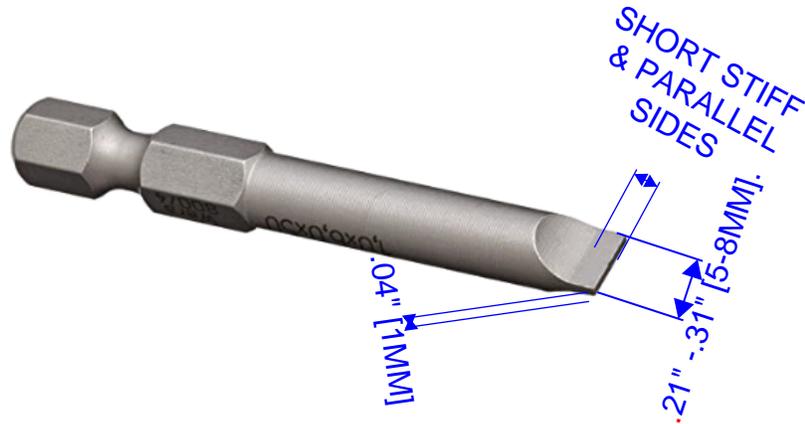


RECOMMENDED DRIVER BIT TYPE FOR IHI 1/4-28 SLOTTED SCREWS



1. USE HIGH QUALITY BITS LIKE WERA WIHA CHAPMAN WHO OFFER NON TAPERED BIT TIPS AND STUBBY STIFFER MILLED OFF PROFILES

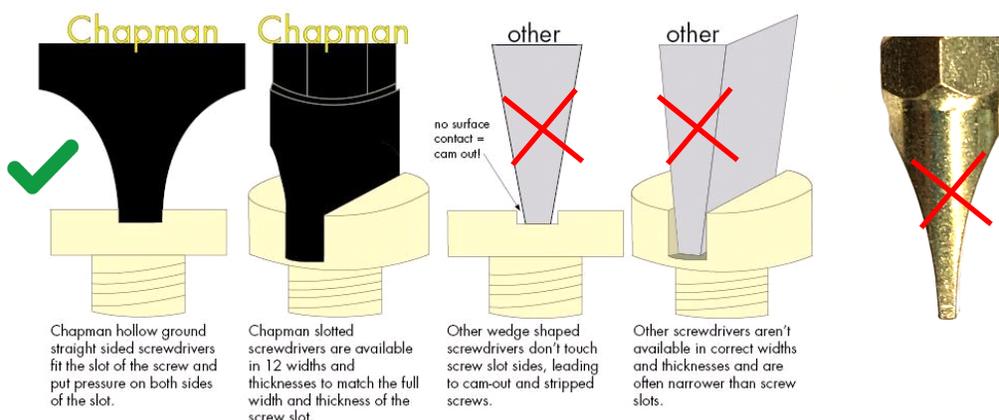
2. USE THE THICKEST BIT WIDTH THAT WILL FIT IN THE SLOT.

3. GRINDING A WIDER BIT WIDTH TO FIT THE SLOT WIDTH OF A SCREW INCREASES THE TWIST RESISTANCE OF A BIT THIS HELPS IF THE BIT HAS TO START TO ENTER THE THREADED HOLE WITH SMALLER WIRES IN THE WIRE HOLE



4. IF THE SLOT IS NEVER BELOW THE SURFACE USE A WIDER BIT THAN THE SCREW, LIKE A .31" WIDE BIT FOR A .25" DIA SCREW. OFF CENTER DRIVING THEN IS MORE TOLERATED AND THERE IS MORE TWIST STIFFNESS TO RESIST CAM OUT

5. A BIT THAT TWISTS WILL CAM OUT AND REDUCING MAXIMUM TORQUE WHILE INCREASING DAMAGE TO THE SLOT



Chapman hollow ground straight sided screwdrivers fit the slot of the screw and put pressure on both sides of the slot.

Chapman slotted screwdrivers are available in 12 widths and thicknesses to match the full width and thickness of the screw slot.

Other wedge shaped screwdrivers don't touch screw slot sides, leading to cam-out and stripped screws.

Other screwdrivers aren't available in correct widths and thicknesses and are often narrower than screw slots.

*Chapman slotted screwdrivers are engineered and heat treated to specific hardnesses and are designed to break when over torqued before the screw strips.

- <https://chapmanmfg.com/collections/individual-parts/slotted-bits>
- https://products.wera.de/en/bits_holders_adaptors.html
- <https://www.wihatools.com/>

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