

**Problem Solver Bits**

# Problem Solvers

## TORSION BIT Patented

Central torsion shank absorbs impact. Prevents broken bits and damaged tips.

- Greatly enhanced durability
- Increased precision of fastening torque
- Reduced stripping of screw head



*Torsion*

New shape for solving problems encountered in work

### Features TORSION BIT

Tip wear resistance	★★★★
Tip breakage	★★★★★
Fastening force stability	★★★★★
Torque transmission	★★★
Screw hole stripping	★★★★★
Features line of standard bits	→

## ALFA BIT

Absorbs impact in 2 stages by ball flute torsion and shank cushioning.

- For heavy-duty use
- For use with high torque rechargeable, power and pneumatic drivers
- For completing rigid couplings with drill screws or tapping screws



*Alfa*

### Features ALFA BIT

Tip wear resistance	★★★★
Tip breakage	★★★★★
Fastening force stability	★★★★★
Torque transmission	★★★★
Screw hole stripping	★★★★★

## GIZA BIT Patented

Ridged tip bits the screw to prevent "CAM-OUT".

- Ideal for working in unstable positions such as drop ceiling installation, sheetrock anchoring, etc.



*GIZA*

### Features GIZA BIT

Tip wear resistance	★★★
Tip breakage	★★★
Fastening force stability	★★★★★
Torque transmission	★★★★★
Screw hole stripping	★★★★★

## SLENDER BIT

Tip is worked to a fine point. Screw heads are easier to see, so bits can be correctly inserted into holes.

- For use with slender or slim screws with small heads
- Torsion effect absorbs impact.



*Slender*

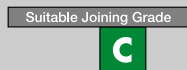
### Features SLENDER BIT

Tip wear resistance	★★★★
Tip breakage	★★★★
Fastening force stability	★★★★★
Torque transmission	★★★★★
Screw hole stripping	★★★★★

## TAPPING BIT

Thick blades for fastening screws that require high torque

- Ideal for heavy-duty jobs using sash screws, tapping screws, drill screws, etc.



*Tapping*

### Features TAPPING BIT

Tip wear resistance	★★★★★
Tip breakage	★★★★★
Fastening force stability	★★★★★
Torque transmission	★★★★★
Screw hole stripping	★★★

## EXTRA HARD BIT

High hardness. Excellent wear resistance.

- Idea for hard screws including coarse threads, board screws and stainless steel screws



*Extra Hard*

### Features EXTRA HARD BIT

Tip wear resistance	★★★★★
Tip breakage	★★★
Fastening force stability	★★★★★
Torque transmission	★★★★★
Screw hole stripping	★★★★★

Joining Grade			
<b>A</b> Rigid joining, screw fastening  ● Resistance is low at first but increases rapidly the instant the screw head sits. ● Requires comparatively little time to fasten.	<b>B</b> Flexible joining (packing inserted) and resin tapping and fastening  ● Resistance increases with every turn of the screw. Resistance increases even after seating. ● Requires comparatively little time to fasten.	<b>C</b> Fastening of drill screws and tapping screws  ● Resistance is felt as the screw penetrates. Resistance lessens momentarily only to increase after seating. ● Requires a comparatively long time to fasten.	<b>D</b> Wood screw fastening  ● At first, resistance is low, but then it increases as the screw penetrates. ● Requires a comparatively long time to fasten.