

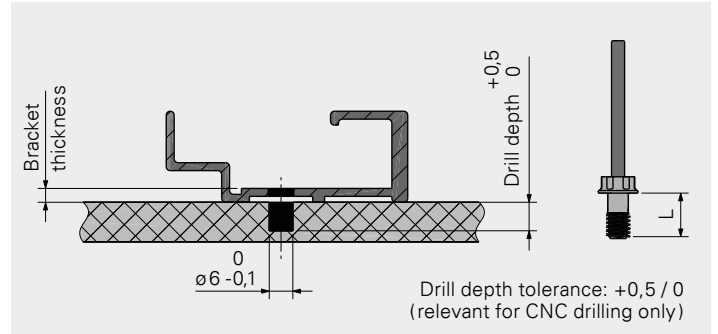
TUF-S / TU-S / TUC-S

1. Pre-drill the panel

Pre-drill using a $\varnothing 6$ mm blind-hole drill with depth stop

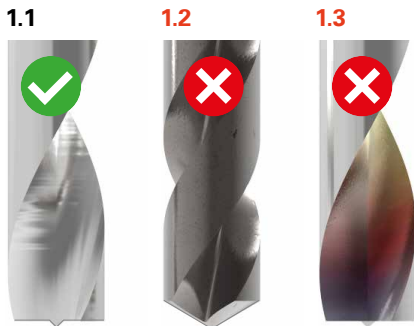


The geometry of the drill hole shall be checked minimum on 1% of all drillings. **Nominal measure: $\varnothing 5,9 - 6,0$ mm**



TUF-S Length - Bracket thickness = TUF-S Drill depth
TU-S Length - Bracket thickness + 0,5 mm = TU-S Drill depth
TUC-S Length - Bracket thickness - 1,0 mm = TUC-S Drill depth

Example: TUF-S-6x9-A4 -3,5 mm = 5,5 mm Drill depth
 TU-S-6x9-A4 -3,5 mm + 0,5 mm = 6,0 mm Drill depth



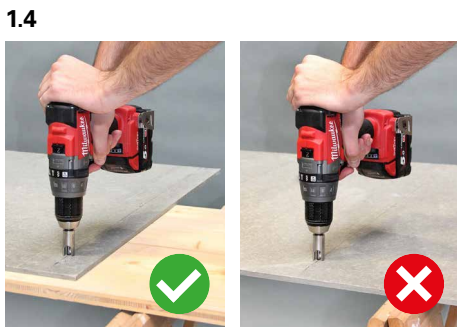
1.1
Use a blind-hole drill bit

1.2
Do not use a drill bit with a point angle

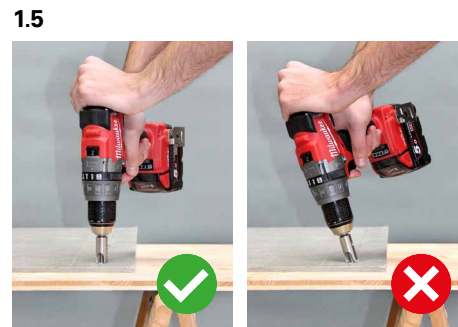
1.3
Do not use a worn-out drill bit

Life expectancy for SFS drill bits

Drill bit	in HPL	in fibre cement
HSS	100-150 drills	25-100 drills
VHM	500+ drills	250-500 drills



1.4
Panel must lie on a hard surface and be fully supported



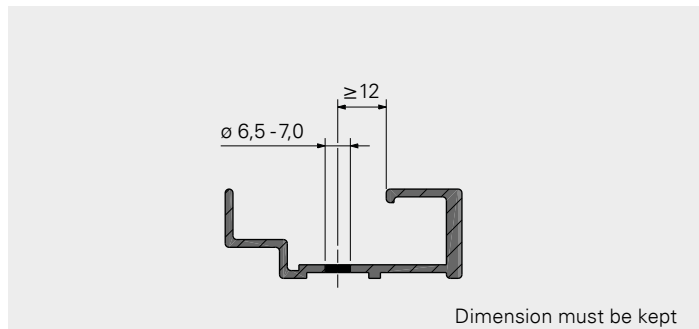
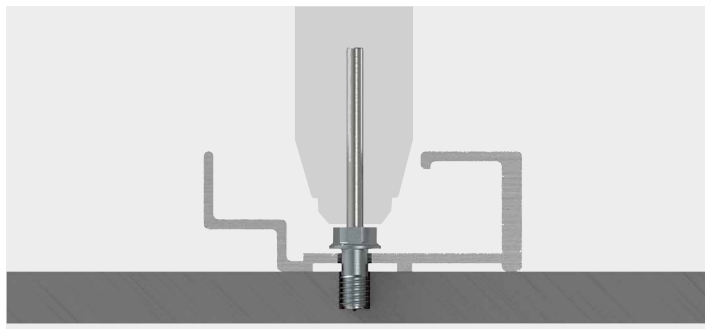
1.5
Keep a right angle during the drill process



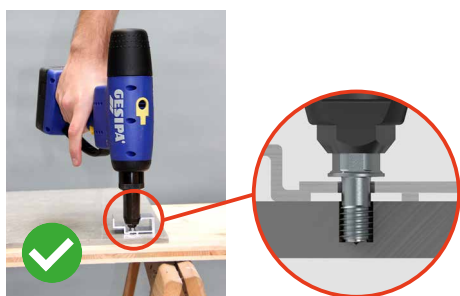
1.6
Remove debris from drill hole

2. Position the bracket

Position the pre-drilled bracket over the hole in the panel and push through the TU-fastener



2.2



2.2 Before setting there can be a small gap between the TU-fastener head and bracket

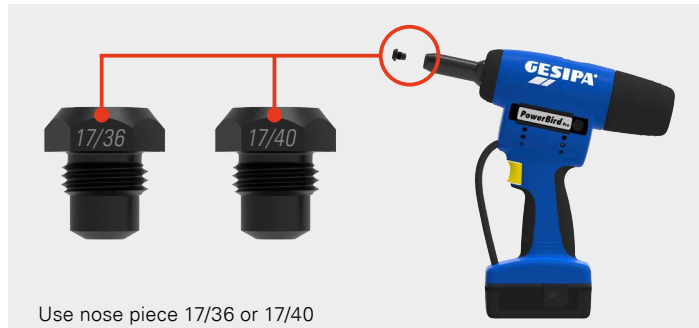
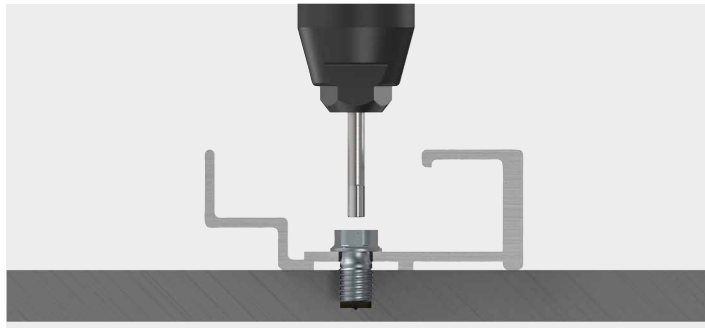
2.3



2.3 Do not apply force to the TU-fastener before setting as this may cause damage to the panel face

3. Remove mandrel

Remove the mandrel using the GESIPA® PowerBird® Pro riveting tool



3.1



3.1 Panel must lie on a hard surface and be fully supported

3.2



3.2 Keep a right angle during the setting process

Apply positive pressure to the GESIPA® PowerBird® Pro towards the panel during mandrel removal