

ASSY® PLUS VG APPLICATION EXAMPLES

Notches and openings

In the past, reinforcements had to be produced to prevent failure of the carriers, e.g. using glued-on wooden material panels or glued-in threaded rods. The full-thread screw **ASSY®plus VG** represents a quick, and above all non-visible, alternative to this.

Main/secondary support beam connection

Until now, main/secondary support beam connections had been made with molded metal parts, such as beam shoes. The full-thread screw **ASSY®plus VG** provides a time-saving and invisible alternative to this. By screwing in the **ASSY®plus VG** at an angle of 45°, the screws absorb the lateral forces of the connection.

Ideal for the application: **VG-Fix Setting Template**.

Saddling and lateral support beam reinforcement

It is often necessary to reinforce existing beams, especially when renovating old buildings. With the reinforcement types of saddling and lateral support beam reinforcement, the **ASSY®plus VG** screw offers effective, cost-efficient technologies for increasing load-bearing capacity of the beams and reducing bending.

Prefabricated house construction/Wood frame construction

ASSY®plus VG is the optimum problem-solver in prefabricated house construction as well. Thanks to the full thread, it can absorb significantly greater tensile, pressure and shear loads. Also, the drilling tip ensures that the substructure does not splinter or crack during screwing-in if the short edge distances are observed.

Rafter/purlin connection

Current rafter-purlin anchors require time-consuming assembly and also have a low load-bearing capacity. The **ASSY®plus VG** therefore represents an efficient alternative. The existing weak point of a standard countersunk head screw, the main beam, can be ignored with the **ASSY®plus VG**.

Lateral pressure/tension reinforcements

The pressure and tensile strengths of lumber across the wood grain are low. The **ASSY®plus VG** screws offer the possibilities of increasing the lateral pressure and tensile strengths of the wood, using less wood and designing more effectively.

