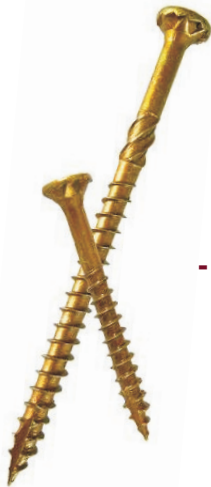


R4™ Multi Purpose Screw



- patented -

- Self-tapping
- Countersink head
- Patented head & thread
- No pre-drilling
- No stripped heads
- CEE thread

GRK's R4™ Self-Countersinking screw has a new under head with saw-blade like cutting teeth and six self-contained cutting pockets which together act like a circular saw blade transporting the "drill dust" away from the edge of the screw hole while cutting a perfectly clean hole into even the most brittle materials without cracking any surface treatment. This design also further enhances the R4™'s versatility by allowing the fastener to be installed without countersinking into even the hardest woods. The screw head closes the hole off with precision, leaving no damaged fibers around the head.

R4™ screws which are 2" and longer have a four threaded CEE thread that enlarges the screw hole for the non-threaded portion of the fastener, allowing the wood to settle easily and increasing the screw's drawing strength and reduces the friction on the screw shank which can result in lowering the driving torque.

The R4™ has 59 sizes available: 4 x 3/8" to 12 x 12".

Multi-use: wood, particle board, plastic, sheet metal, cement fibre board, composite decking, wood decking, melamine

Some sizes available in **PHEINOX™** Stainless Steel, see blue tabbed pages.



New saw blade like cutting teeth under the head cut a perfectly clean hole into even the most brittle materials without cracking any surface treatment.

The 6 self countersinking cutting pockets act like a circular saw blade...

The screw head top closes the hole exactly leaving no damaged fibres around the wider area of the head.



The head has a 90° angle at the underside which allows it to fit perfectly into the pre-countersunk holes of hardware fittings such as hinges or locks.

The self countersinking cutting pockets transport the "drill-dust" away from the edge of the screw hole. They also widen the countersunk hole only around the head shape.

- patented -

R4™ SHEAR TEST RESULTS

Diameter	Avg. Ultimate Load (lbf)	Wood Failure Rate
#4	139	50%
#6	301	70%
#8	361	30%
#9	452	65%
#10	687	75%
#12	720	75%

Test ASTM D 1761 Lateral Resistance/Slip, Wood to Wood connection. Testing stopped when screw displaced 1/8" or upon wood failure. Wood failed in majority of tests prior to screw failure. Test conducted in wood with specific gravity 0.42. Please note, the above stated values are ultimate loads. For construction design purposes an applicable safety margin should be applied. An architect or engineer should be consulted for this.