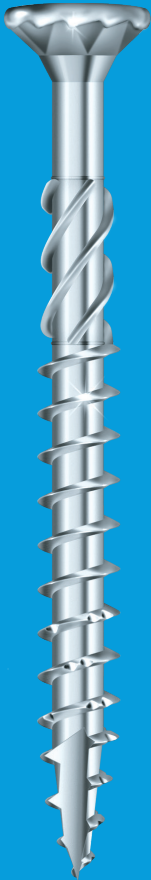




PHEINOX™ Stainless Steel Screws

Maximum Corrosion Protection for Harsh Environments



RECESSED
STAR DRIVE

Zero Stripping, with 6 points of contact

CEE THREAD™

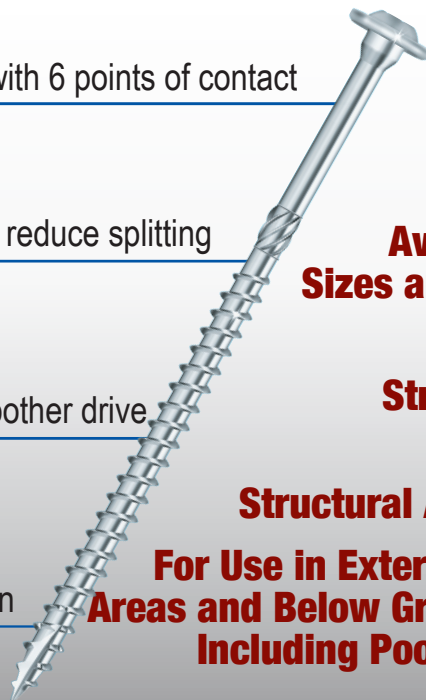
Enlarges hole to reduce splitting

W-CUT™

Low torque, smoother drive

ZIP-TIP™

No pre-drilling,
faster penetration



ÜberGrade™

**305 Grade Stainless Steel
For Superior Strength and
Corrosion Resistance**

**Available in a Wide Range of
Sizes and Types of GRK Fasteners**

**ESR-2442 Approved for
Structural Applications (RSS)**

**ESR-3201 Approved for
Structural Applications (R4 and Trim)**

**For Use in Exterior Construction in Coastal
Areas and Below Ground Applications and Use
Including Pools, Docks and Boardwalks**

DRIVE WITH SPEED, QUALITY & CONFIDENCE

WWW.GRKFASTENERS.COM

800.263.0463



PHEINOX™ Stainless Steel Screws

Building Code Approved with Limited Lifetime Warranty.



PHEINOX™ stainless steel screws are made from only the best grade of stainless steel wire, 305. The unique characteristics of the PHEINOX™ wire give our stainless steel screws unmatched performance, by maximizing both torque and increasing bending strength. GRK's patented R4™, RSS™, Cabinet™ Low Profile, Fin/Trim™ and RT Composite™ are available in PHEINOX™ stainless steel. Use PHEINOX™ screws from GRK™ for projects that should last a lifetime. GRK™ recommends the use of its PHEINOX™ stainless steel fasteners in tropical wood, cedar wood, pool, hot tub, sauna and seaside applications in areas with large daily temperature variances. The ultimate finish for superior all weather corrosion protection.

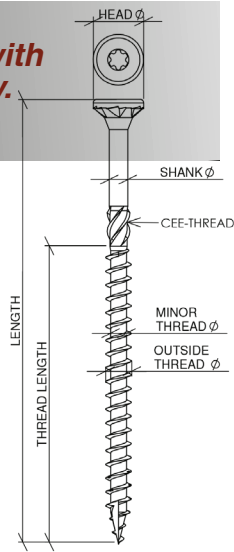


TABLE 1 - RSS™ FASTENER SPECIFICATIONS

FASTENER DESIGNATION	OVERALL LENGTH (inches)	LENGTH OF THREAD (inches)	MINOR THREAD DIAMETER (inches)	SHANK DIAMETER (inches)	OUTSIDE THREAD DIAMETER (inches)	ALLOWABLE STEEL STRENGTH			
						Bending Yield Strength F_{yb} (psi)	Tensile (psi) [pounds]	Shear (psi) [pounds]	
PHEINOX	1/4 x 2 1/2"	2 3/8	1 1/2	0.152	0.170	0.237	111,460	103,799 [1,886]	90,260 [1,640]
	5/16 x 2 1/2"	2 3/8	1 5/8	0.171	0.195	0.276	118,360	104,767 [2,419]	86,880 [2,006]
	5/16 x 3 1/8"	3 1/8	2 1/8						
	5/16 x 4"	3 7/8	2 1/2						
	5/16 x 5 1/8"	5 1/8	3 3/8						
	5/16 x 6"	5 7/8	3 7/8						

For SI: 1 inch = 25.4 mm; 1 psi = 6.9 kPa.

ULTIMATE LOAD VALUES TENSILE AND SHEAR

TABLE 1B—PHEINOX™ FASTENER SPECIFICATIONS

FASTENER DESIGNATION	OVERALL LENGTH (inches)	THREAD LENGTH (inches)	HEAD DIAMETER (inch)	DRIVER SIZE	ROOT DIAMETER (inch)	SHANK DIAMETER (inch)	OUTSIDE THREAD DIAMETER (inch)	SPECIFIED BENDING YIELD STRENGTH F_{yb} (psi)	ALLOWABLE STEEL STRENGTH	
									Tensile (lbf)	Shear (lbf)
R4	9x2"	2	1 1/4	Star drive T-25	0.112	0.128	0.173	113340	467	334
	10x2 1/2"	2 1/2	1 5/8							
	10x2 3/4"	2 3/4	1 7/8	Star drive T-25	0.124	0.142	0.193	170220	490	424
	10x3 1/8"	3 1/8	2 1/8							
	10x4"	3 7/8	2 5/8	Star drive T-25	0.148	0.171	0.234	159920	681	507
	12x2 1/2"	2 1/2	1 5/8							
	12x3 1/8"	3 1/8	2 1/8							
	12x4"	3 7/8	2 5/8							
12x4 3/4"	4 3/8	3								
TRIM	8x2 1/2"	2 1/2	1 5/8	Star drive T-10	0.100	0.111	0.156	117540	350	267
	8x2 3/4"	2 3/4	1 7/8							
	8x3 1/8"	3 1/8	2 1/8							
	9x2 1/2"	2 1/2	1 5/8	Star drive T-15	0.112	0.128	0.175	66340	394	319
	9x2 3/4"	2 3/4	1 7/8							
	9x3 1/8"	3 1/8	2 1/8							

For SI: 1 inch = 25.4 mm; 1 psi = 6.9 kPa.



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