



# RSS™ Rugged Structural Screws

Speedy lag bolt alternative with immense drawing power



**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™**

Faster penetration

**ÜberGrade™**

**Code Approved for  
Structural Application**

**Case Hardened Steel  
High Tensile, Torque and  
Shear Strength**

**Climatek™ Coating is AC257 Code  
Approved for use in Treated Lumber**

**Equivalent Strength, yet twice the  
Installation Speed of Traditional Lag  
Screws or Lag Bolts**

**DRIVE WITH SPEED, QUALITY & CONFIDENCE**  
**WWW.GRKFASTENERS.COM**  
**877.489.2726**

**GRK**  
**FASTENERS™**  
ÜberGrade™



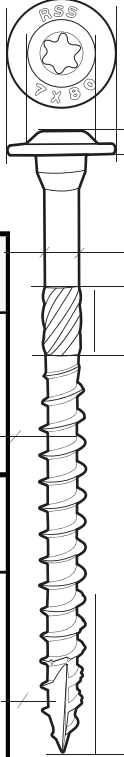
# RSS™ Technical Data

**Building Code Approved with  
a Limited Lifetime Warranty.**

Scan to view to view for detailed  
IBC/IRC Code Compliant ESR #2442



RSS™ Rugged Structural Screws: Ideal for anywhere you would use a traditional lag screw and more. High tensile torque and shear strength means a 5/16" diameter RSS™ screw has the same strength as a 1/2" lag screw. Available from #10 up to 3/8" diameters in lengths from 1-1/2" to 16". Approved for use in all applications that include treated lumber. Also available in *PHEINOX™* Stainless Steel, RSS™ JTS used for joists and trusses, RSS™ LPS for structural insulated panel systems and RSS™ LTF designed for log home and timber frames.



FASTENER DESIGNATION		OVERALL LENGTH <sup>1</sup> (inches)	LENGTH OF THREAD <sup>2</sup> (inches)	MINOR THREAD DIAMETER <sup>3</sup> (inches)	SHANK DIAMETER <sup>3</sup> (inches)	OUTSIDE THREAD DIAMETER <sup>3</sup> (inches)	ALLOWABLE STEEL STRENGTH		
							Bending Yield Strength <sup>4</sup> <i>F<sub>yb</sub></i> (psi)	Tensile (psi) [pounds]	Shear (psi) [pounds]
RSS	1/4 x 2 1/2"	2 3/8	1 1/2	0.150	0.169	0.239	170,427	188,301 [3,336]	127,792 [2,264]
	1/4 x 3 1/8"	3 1/8	2						
	1/4 x 3 1/2"	3 1/2	2 3/8						
	5/16 x 2 1/2"	2 3/8	1 1/2	0.174	0.199	0.280	190,920	178,051 [4,247]	123,592 [2,948]
	5/16 x 2 3/4"	2 3/4	1 3/4						
	5/16 x 3 1/8"	3 1/8	2 1/8						
	5/16 x 3 1/2"	3 1/2	2 1/2						
	5/16 x 4"	3 7/8	2 3/4						
	5/16 x 5 1/8"	5	3 1/2						
	5/16 x 6"	5 7/8	3 7/8						
	3/8 x 3 1/8"	3 1/8	2 1/8	0.191	0.223	0.310	178,080	203,809 [5,824]	129,305 [3,695]
	3/8 x 4"	3 7/8	2 3/4						
	3/8 x 5 1/8"	5 1/8	3 1/2						
	3/8 x 6"	5 7/8	4						
	3/8 x 7 1/4"	7	4 1/2						
	3/8 x 8"	7 7/8	4 3/8						
	3/8 x 10"	9 3/4	5						
	3/8 x 12"	11 7/8	5 7/8						
	3/8 x 14 1/8"	14 1/8	5 7/8						
	3/8 x 16"	15 5/8	5 3/4						
LPS	1/4 x 8"	7 7/8	2 7/8	0.152	0.172	0.238	172,620	172,950 [3,155]	109,635 [2,000]
LTF	3/8 x 8"	7 7/8	3 7/8	0.191	0.220	0.310	167,580	179,390 [5,144]	114,525 [3,284]
	3/8 x 10"	9 7/8	3 7/8						
	3/8 x 12"	11 3/4	3 7/8						
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							
JTS	1/4 x 3 3/8"	3 3/8	1 3/8	0.153	0.173	0.240	226,373	180,999 [3,312]	126,131 [2,308]
	1/4 x 5"	5	1 5/8						
	1/4 x 6 3/4"	6 3/4	1 1/2						

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

**ULTIMATE LOAD VALUES TENSILE AND SHEAR**