

TECHNICAL DATA

RSSTM

 TABLE 1—RSSTM FASTENER SPECIFICATIONS

FASTENER DESIGNATION	OVERALL LENGTH ¹ (inches)	LENGTH OF THREAD ² (inches)	MINOR THREAD DIAMETER ³ (inches)	SHANK DIAMETER ³ (inches)	OUTSIDE THREAD DIAMETER ³ (inches)	STEEL STRENGTH			
						Bending Yield Strength ⁴ F _{yb} (psi)	Tensile (lbf) [psi]	Shear (lbf) [psi]	
RSS	1/4 x 2 1/2"	2 3/8	1 1/2	0.150	0.169	0.239	170,427	3,336 [188,301]	2,264 [127,792]
	1/4 x 2 3/4"	2 3/4	1 3/4						
	1/4 x 3 1/8"	3 1/8	2						
	1/4 x 3 1/2"	3 1/2	2 3/8	0.174	0.199	0.280	190,920	4,247 [178,051]	2,948 [123,592]
	5/16 x 2 1/2"	2 3/8	1 1/2						
	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	0.191	0.223	0.310	178,080	5,824 [203,809]	3,695 [129,305]
	5/16 x 6"	5 7/8	3 7/8						
	3/8 x 3 1/8"	3 1/8	2 1/8						
	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	0.152	0.172	0.238	172,620	3,155 [172,950]	2,000 [109,635]	
3/8 x 16"	15 5/8	5 3/4							
LPS	1/4 x 6"	5 7/8							2 7/8
	1/4 x 8"	7 7/8							2 7/8
	1/4 x 9"	9							2 7/8
	1/4 x 10"	9 7/8							2 7/8
	1/4 x 11"	10 7/8	2 7/8						
	1/4 x 12"	11 3/4	2 7/8						
1/4 x 14"	13 7/8	2 7/8	0.191	0.220	0.310	167,580	5,144 [179,390]	3,284 [114,525]	
LTF	3/8 x 8"	7 7/8							3 7/8
	3/8 x 10"	9 7/8							3 7/8
	3/8 x 12"	11 3/4							3 7/8
	3/8 x 15"	14 3/4							3 7/8
	3/8 x 18"	18							3 7/8
	3/8 x 20"	19 5/8	3 7/8						
PHEINOX RSS	1/4 x 2 1/2"	2 3/8	1 1/2	0.152	0.170	0.237	111,460	1,886 [103,799]	1,640 [90,260]
	1/4 x 3 1/8"	3 1/8	2						
	5/16 x 2 1/2"	2 3/8	1 5/8	0.171	0.195	0.276	118,360	2,419 [104,767]	2,006 [86,880]
	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	0.153	0.173	0.240	226,373	3,312 [180,999]	2,308 [126,131]	
JTS	1/4 x 3 3/8"	3 3/8							1 3/8
	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
¹Overall length of fastener is measured from the underside of the head to bottom of the tip. See Figure 1.

²Length of thread includes tip. See detailed illustration, Figure 1.

³Minor thread, shank and outside thread diameters are shown in table without manufacturing tolerances.

⁴Bending yield strength determined in accordance with ASTM D 1575 using the minor thread diameter.

TECH DATA