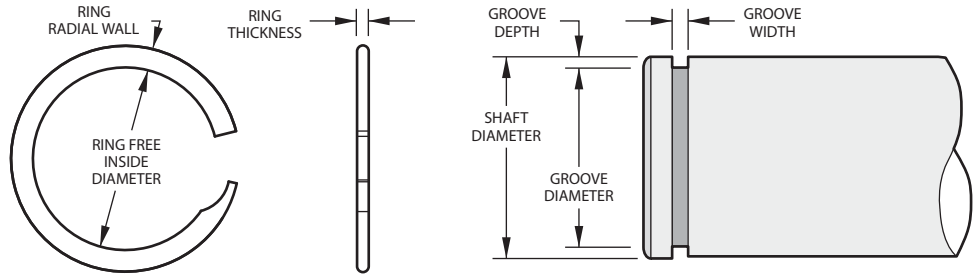
**Product Dimensions**

All dimensions are in inches unless otherwise specified.

**Stock Items** available in carbon and stainless steel.

Smalley Part Number ^{1, 4}	Shaft Diameter	RING			GROOVE		THRUST CAPACITY	
		Inside Diameter	Radial Wall	Thickness	Diameter	Width	Groove Yield (lb) ²	Ring Shear (lb) ³
VS-25	.250	.236	.020	.012	.238	.015	106	481
VS-31	.312	.294	.025	.015	.297	.018	165	750
VS-37	.375	.348	.025	.015	.351	.018	318	901
VS-43	.437	.410	.035	.015	.413	.018	371	1,050
VS-50	.500	.467	.045	.018	.472	.022	500	1,300
VS-56	.562	.529	.045	.018	.534	.022	560	1,460
VS-62	.625	.591	.045	.018	.597	.022	620	1,630
VS-68	.687	.652	.045	.018	.659	.022	680	1,790
VS-75	.750	.715	.045	.018	.722	.022	740	1,950
VS-81	.812	.762	.065	.021	.770	.026	1,210	2,460
VS-87	.875	.825	.065	.021	.833	.026	1,300	2,660
VS-93	.937	.886	.065	.021	.895	.026	1,390	2,840
VS-100	1.000	.949	.065	.021	.958	.026	1,480	3,040
VS-106	1.062	1.008	.088	.025	1.018	.031	1,650	3,500
VS-112	1.125	1.071	.088	.025	1.081	.031	1,750	3,710
VS-118	1.187	1.132	.088	.025	1.143	.031	1,850	3,920
VS-125	1.250	1.194	.088	.025	1.206	.031	1,940	4,120
VS-131	1.312	1.255	.088	.025	1.268	.031	2,040	4,330
VS-137	1.375	1.318	.088	.025	1.331	.031	2,140	4,540
VS-143	1.437	1.379	.088	.025	1.393	.031	2,240	4,740
VS-150	1.500	1.442	.088	.025	1.456	.031	2,330	4,950
VS-156	1.562	1.488	.118	.031	1.505	.039	3,200	6,390
VS-162	1.625	1.550	.118	.031	1.568	.039	3,330	6,650
VS-168	1.687	1.612	.118	.031	1.630	.039	3,460	6,900
VS-175	1.750	1.674	.118	.031	1.693	.039	3,590	7,160
VS-181	1.812	1.736	.118	.031	1.755	.039	3,710	7,410
VS-187	1.875	1.798	.118	.031	1.818	.039	3,840	7,670
VS-193	1.937	1.859	.118	.031	1.880	.039	3,970	7,920
VS-200	2.000	1.922	.118	.031	1.943	.039	4,100	8,180
VS-206	2.062	1.963	.158	.031	1.986	.039	5,540	8,430
VS-212	2.125	2.026	.158	.031	2.049	.039	5,710	8,690
VS-218	2.187	2.087	.158	.031	2.111	.039	5,870	8,950
VS-225	2.250	2.149	.158	.031	2.174	.039	6,040	9,200
VS-231	2.312	2.211	.158	.031	2.236	.039	6,210	9,460
VS-237	2.375	2.273	.158	.031	2.299	.039	6,380	9,720
VS-243	2.437	2.335	.158	.031	2.361	.039	6,550	9,970
VS-250	2.500	2.397	.158	.031	2.424	.039	6,720	10,230
VS-256	2.562	2.458	.158	.031	2.486	.039	6,880	10,480
VS-262	2.625	2.521	.158	.031	2.549	.039	7,050	10,740
VS-268	2.687	2.582	.158	.031	2.611	.039	7,220	10,990
VS-275	2.750	2.644	.158	.031	2.674	.039	7,390	11,250
VS-281	2.812	2.706	.158	.031	2.736	.039	7,550	11,500
VS-287	2.875	2.768	.158	.031	2.799	.039	7,720	11,760
VS-293	2.937	2.830	.158	.031	2.861	.039	7,890	12,010
VS-300	3.000	2.892	.158	.031	2.924	.039	8,060	12,270
VS-306	3.062	2.938	.188	.039	2.970	.044	9,960	15,760
VS-312	3.125	3.001	.188	.039	3.033	.044	10,160	16,080

¹ Add suffix "-S02" for 302 stainless steel, "-S16" for 316 stainless steel.² Based on a groove material yield strength of 45,000 psi and a safety factor of 2.³ Based on a safety factor of 3.⁴ See pages 102-103 for How to Order.

Manufactured in USA

Smalley Part Number ^{1, 4}	Shaft Diameter	RING			GROOVE		THRUST CAPACITY	
		Inside Diameter	Radial Wall	Thickness	Diameter	Width	Groove Yield (lb) ²	Ring Shear (lb) ³
VS-318	3.187	3.062	.188	.039	3.095	.044	10,360	16,400
VS-325	3.250	3.125	.188	.039	3.158	.044	10,570	16,720
VS-331	3.312	3.186	.188	.039	3.220	.044	10,770	17,040
VS-337	3.375	3.248	.188	.039	3.283	.044	10,970	17,370
VS-343	3.437	3.310	.188	.039	3.345	.044	11,180	17,690
VS-350	3.500	3.372	.188	.039	3.408	.044	11,380	18,010
VS-356	3.562	3.433	.188	.039	3.470	.044	11,580	18,330
VS-362	3.625	3.496	.188	.039	3.533	.044	11,790	18,650
VS-368	3.687	3.557	.188	.039	3.595	.044	11,990	18,970
VS-375	3.750	3.620	.188	.039	3.658	.044	12,190	19,300
VS-381	3.812	3.681	.188	.039	3.720	.044	12,400	19,620
VS-387	3.875	3.743	.188	.039	3.783	.044	12,600	19,940
VS-393	3.937	3.805	.188	.039	3.845	.044	12,800	20,260
VS-400	4.000	3.867	.188	.039	3.908	.044	13,010	20,580
VS-412	4.125	3.973	.225	.046	4.015	.052	16,040	23,850
VS-425	4.250	4.097	.225	.046	4.140	.052	16,520	24,570
VS-437	4.375	4.221	.225	.046	4.265	.052	17,010	25,290
VS-450	4.500	4.345	.225	.046	4.390	.052	17,500	26,010
VS-462	4.625	4.468	.225	.046	4.515	.052	17,980	26,740
VS-475	4.750	4.592	.225	.046	4.640	.052	18,470	27,460
VS-487	4.875	4.715	.225	.046	4.765	.052	18,950	28,180
VS-500	5.000	4.839	.225	.046	4.890	.052	19,440	28,900
VS-525	5.250	5.067	.225	.061	5.119	.067	24,490	40,240
VS-550	5.500	5.309	.225	.061	5.363	.067	26,830	42,160
VS-575	5.750	5.550	.225	.061	5.606	.067	29,260	44,080
VS-600	6.000	5.792	.225	.061	5.850	.067	31,810	45,990
VS-625	6.250	6.033	.265	.061	6.094	.067	34,460	47,910
VS-650	6.500	6.275	.265	.061	6.338	.067	37,220	49,830
VS-675	6.750	6.515	.265	.061	6.581	.067	40,560	51,740
VS-700	7.000	6.757	.265	.061	6.825	.067	43,540	53,660
VS-725	7.250	6.998	.300	.061	7.069	.067	46,640	55,580
VS-750	7.500	7.240	.300	.061	7.313	.067	49,830	57,490
VS-775	7.750	7.480	.300	.061	7.556	.067	53,140	59,410
VS-800	8.000	7.722	.300	.061	7.800	.067	56,550	61,320
VS-825	8.250	7.964	.345	.076	8.044	.082	60,070	78,790
VS-850	8.500	8.205	.345	.076	8.288	.082	63,690	81,180
VS-875	8.750	8.446	.345	.076	8.531	.082	68,040	83,570
VS-900	9.000	8.687	.345	.076	8.775	.082	71,890	85,950
VS-925	9.250	8.929	.345	.076	9.019	.082	75,850	88,340
VS-950	9.500	9.170	.345	.076	9.263	.082	79,910	90,730
VS-975	9.750	9.411	.345	.076	9.506	.082	84,080	93,120
VS-1000	10.000	9.653	.345	.076	9.750	.082	88,360	95,500

¹ Add suffix "-S02" for 302 stainless steel, "-S16" for 316 stainless steel.

² Based on a groove material yield strength of 45,000 psi and a safety factor of 2.

³ Based on a safety factor of 3.

⁴ See pages 102-103 for How to Order.