

Архангельск (8182)63-90-72
 Астана (7172)727-132
 Астрахань (8512)99-46-04
 Барнаул (3852)73-04-60
 Белгород (4722)40-23-64
 Брянск (4832)59-03-52
 Владивосток (423)249-28-31
 Волгоград (844)278-03-48
 Вологда (8172)26-41-59
 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
 Ижевск (3412)26-03-58
 Иркутск (395)279-98-46
 Казань (843)206-01-48
 Калининград (4012)72-03-81
 Калуга (4842)92-23-67
 Кемерово (3842)65-04-62
 Киров (8332)68-02-04
 Краснодар (861)203-40-90
 Красноярск (391)204-63-61
 Курск (4712)77-13-04
 Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
 Москва (495)268-04-70
 Мурманск (8152)59-64-93
 Набережные Челны (8552)20-53-41
 Нижний Новгород (831)429-08-12
 Новокузнецк (3843)20-46-81
 Новосибирск (383)227-86-73
 Омск (3812)21-46-40
 Орел (4862)44-53-42
 Оренбург (3532)37-68-04
 Пенза (8412)22-31-16

Пермь (342)205-81-47
 Ростов-на-Дону (863)308-18-15
 Рязань (4912)46-61-64
 Самара (846)206-03-16
 Санкт-Петербург (812)309-46-40
 Саратов (845)249-38-78
 Севастополь (8692)22-31-93
 Симферополь (3652)67-13-56
 Смоленск (4812)29-41-54
 Сочи (862)225-72-31
 Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
 Тверь (4822)63-31-35
 Томск (3822)98-41-53
 Тула (4872)74-02-29
 Тюмень (3452)66-21-18
 Ульяновск (8422)24-23-59
 Уфа (347)229-48-12
 Хабаровск (4212)92-98-04
 Челябинск (351)202-03-61
 Череповец (8202)49-02-64
 Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47 Казахстан (772)734-952-31 Таджикистан (992)427-82-92-69

<http://smalley.nt-rt.ru> || sym@nt-rt.ru

Product Dimensions All dimensions in inches unless otherwise specified.

Smalley Part Number ^{1,4}	Housing Diameter	Ring			Groove		Thrust Capacity	
		Outside Diameter	Radial Wall	Thickness	Diameter	Width	Groove Yield (lb) ²	Ring Shear (lb) ³
VH-25*	.250	.264	.020	.012	.262	.015	106	481
VH-31*	.312	.329	.025	.015	.326	.018	154	750
VH-37*	.375	.398	.030	.015	.395	.018	265	901
VH-43	.437	.466	.030	.015	.463	.018	402	1,050
VH-50	.500	.531	.045	.018	.528	.022	500	1,300
VH-56	.562	.593	.045	.018	.590	.022	560	1,460
VH-62	.625	.656	.045	.018	.653	.022	620	1,630
VH-68	.687	.719	.045	.018	.715	.022	680	1,790
VH-75	.750	.783	.045	.018	.779	.022	800	1,950
VH-81	.812	.862	.065	.021	.854	.026	1,210	2,460
VH-87	.875	.926	.065	.021	.917	.026	1,300	2,660
VH-93	.937	.989	.065	.021	.979	.026	1,390	2,840
VH-100	1.000	1.052	.065	.021	1.042	.026	1,480	3,040
VH-106	1.062	1.117	.088	.025	1.106	.031	1,650	3,500
VH-112	1.125	1.180	.088	.025	1.169	.031	1,750	3,710
VH-118	1.187	1.242	.088	.025	1.231	.031	1,850	3,920
VH-125	1.250	1.307	.088	.025	1.294	.031	1,940	4,120
VH-131	1.312	1.369	.088	.025	1.356	.031	2,040	4,330
VH-137	1.375	1.433	.088	.025	1.419	.031	2,140	4,540
VH-143	1.437	1.496	.088	.025	1.481	.031	2,240	4,740
VH-150	1.500	1.559	.088	.025	1.544	.031	2,330	4,950
VH-156	1.562	1.637	.118	.031	1.619	.039	3,200	6,390
VH-162	1.625	1.701	.118	.031	1.682	.039	3,330	6,650
VH-168	1.687	1.763	.118	.031	1.744	.039	3,460	6,900
VH-175	1.750	1.827	.118	.031	1.807	.039	3,590	7,160
VH-181	1.812	1.890	.118	.031	1.869	.039	3,710	7,410
VH-187	1.875	1.953	.118	.031	1.932	.039	3,840	7,670
VH-193	1.937	2.016	.118	.031	1.994	.039	3,970	7,920
VH-200	2.000	2.079	.118	.031	2.057	.039	4,100	8,180
VH-206	2.062	2.162	.158	.031	2.138	.039	5,540	8,430
VH-212	2.125	2.226	.158	.031	2.201	.039	5,710	8,690
VH-218	2.187	2.289	.158	.031	2.263	.039	5,870	8,950
VH-225	2.250	2.352	.158	.031	2.326	.039	6,040	9,200
VH-231	2.312	2.415	.158	.031	2.388	.039	6,210	9,460
VH-237	2.375	2.478	.158	.031	2.451	.039	6,380	9,720
VH-243	2.437	2.541	.158	.031	2.513	.039	6,550	9,970
VH-250	2.500	2.605	.158	.031	2.576	.039	6,720	10,230
VH-256	2.562	2.667	.158	.031	2.638	.039	6,880	10,480
VH-262	2.625	2.731	.158	.031	2.701	.039	7,050	10,740
VH-268	2.687	2.794	.158	.031	2.763	.039	7,220	10,990
VH-275	2.750	2.857	.158	.031	2.826	.039	7,390	11,250
VH-281	2.812	2.920	.158	.031	2.888	.039	7,550	11,500
VH-287	2.875	2.983	.158	.031	2.951	.039	7,720	11,760
VH-293	2.937	3.046	.158	.031	3.013	.039	7,890	12,010
VH-300	3.000	3.110	.158	.031	3.076	.039	8,060	12,270

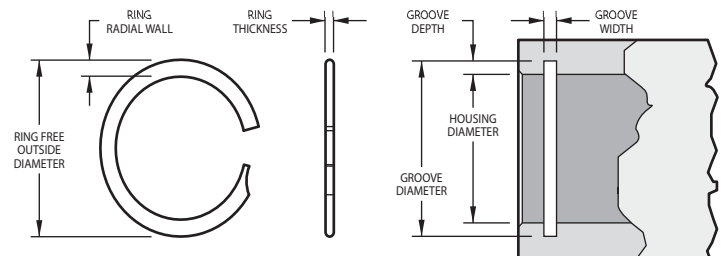
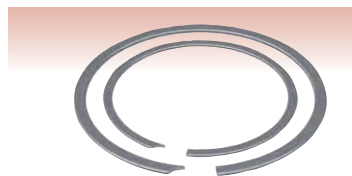
¹ Add suffix "-S02" for 302 stainless steel, "-S16" for 316 stainless steel.

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 134-135 for How to Order.

Stock Items available in carbon steel and 302 and 316 stainless steel.



*No removal notch

Smalley Part Number ^{1,4}	Housing Diameter	Ring			Groove		Thrust Capacity	
		Outside Diameter	Radial Wall	Thickness	Diameter	Width	Groove Yield (lb) ²	Ring Shear (lb) ³
VH-306	3.062	3.188	.188	.039	3.154	.044	9,960	15,760
VH-312	3.125	3.251	.188	.039	3.217	.044	10,160	16,080
VH-318	3.187	3.314	.188	.039	3.279	.044	10,360	16,400
VH-325	3.250	3.377	.188	.039	3.342	.044	10,570	16,720
VH-331	3.312	3.440	.188	.039	3.404	.044	10,770	17,040
VH-337	3.375	3.504	.188	.039	3.467	.044	10,970	17,370
VH-343	3.437	3.566	.188	.039	3.529	.044	11,180	17,690
VH-350	3.500	3.630	.188	.039	3.592	.044	11,380	18,010
VH-356	3.562	3.692	.188	.039	3.654	.044	11,580	18,330
VH-362	3.625	3.756	.188	.039	3.717	.044	11,790	18,650
VH-368	3.687	3.819	.188	.039	3.779	.044	11,990	18,970
VH-375	3.750	3.882	.188	.039	3.842	.044	12,190	19,300
VH-381	3.812	3.945	.188	.039	3.904	.044	12,400	19,620
VH-387	3.875	4.009	.188	.039	3.967	.044	12,600	19,940
VH-393	3.937	4.071	.188	.039	4.029	.044	12,800	20,260
VH-400	4.000	4.135	.188	.039	4.092	.044	13,010	20,580
VH-412	4.125	4.279	.225	.046	4.235	.052	16,040	23,850
VH-425	4.250	4.405	.225	.046	4.360	.052	16,520	24,570
VH-437	4.375	4.531	.225	.046	4.485	.052	17,010	25,290
VH-450	4.500	4.658	.225	.046	4.610	.052	17,500	26,010
VH-462	4.625	4.784	.225	.046	4.735	.052	17,980	26,740
VH-475	4.750	4.910	.225	.046	4.860	.052	18,470	27,460
VH-487	4.875	5.036	.225	.046	4.985	.052	18,950	28,180
VH-500	5.000	5.163	.225	.046	5.110	.052	19,440	28,900
VH-525	5.250	5.435	.225	.061	5.381	.067	24,490	40,240
VH-550	5.500	5.694	.225	.061	5.638	.067	26,830	42,160
VH-575	5.750	5.953	.225	.061	5.894	.067	29,260	44,080
VH-600	6.000	6.212	.265	.061	6.150	.067	31,810	45,990
VH-625	6.250	6.470	.265	.061	6.406	.067	34,460	47,910
VH-650	6.500	6.730	.265	.061	6.663	.067	37,680	49,830
VH-675	6.750	6.988	.265	.061	6.919	.067	40,560	51,740
VH-700	7.000	7.247	.265	.061	7.175	.067	43,540	53,660
VH-725	7.250	7.505	.265	.061	7.431	.067	46,640	55,580
VH-750	7.500	7.765	.265	.061	7.688	.067	49,830	57,490
VH-775	7.750	8.023	.300	.061	7.944	.067	53,140	59,410
VH-800	8.000	8.282	.300	.061	8.200	.067	56,550	61,320
VH-825	8.250	8.541	.300	.061	8.456	.067	60,070	63,240
VH-850	8.500	8.800	.300	.061	8.713	.067	64,290	65,160
VH-875	8.750	9.059	.345	.076	8.969	.082	68,040	83,570
VH-900	9.000	9.317	.345	.076	9.225	.082	71,890	85,950
VH-925	9.250	9.576	.345	.076	9.481	.082	75,850	88,340
VH-950	9.500	9.835	.345	.076	9.738	.082	79,910	90,730
VH-975	9.750	10.094	.345	.076	9.994	.082	84,080	93,120
VH-1000	10.000	10.353	.345	.076	10.250	.082	88,360	95,500

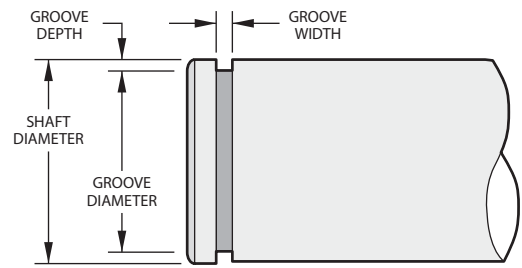
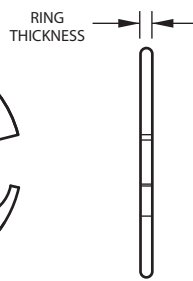
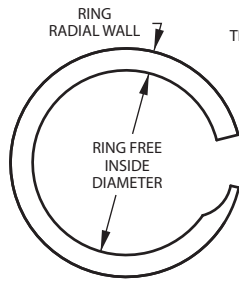
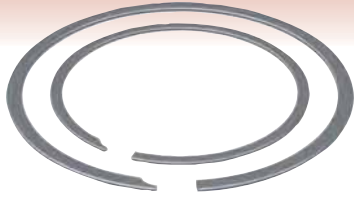
¹ Add suffix "-S02" for 302 stainless steel, "-S16" for 316 stainless steel.
² Based on a groove material yield strength of 45,000 psi and a safety factor of 2.
³ Based on a safety factor of 3.
⁴ See pages 134-135 for How to Order.

VS Series

SPIROLOX RINGS EXCLUSIVELY FROM SMALLEY

Light Duty Rings

Stock Items available in carbon steel and 302 and 316 stainless steel.



*No removal notch

Product Dimensions All dimensions in inches unless otherwise specified.

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

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 134-135 for How to Order.

Stock Items available in carbon steel and 302 and 316 stainless steel.

Product Dimensions All dimensions in inches unless otherwise specified.

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-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
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 134-135 for How to Order.

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|-----------------------------|----------------------------|---------------------------------|--------------------------------|--------------------------|
| Архангельск (8182)63-90-72 | Иваново (4932)77-34-06 | Магнитогорск (3519)55-03-13 | Пермь (342)205-81-47 | Сургут (3462)77-98-35 |
| Астана (7172)727-132 | Ижевск (3412)26-03-58 | Москва (495)268-04-70 | Ростов-на-Дону (863)308-18-15 | Тверь (4822)63-31-35 |
| Астрахань (8512)99-46-04 | Иркутск (395)279-98-46 | Мурманск (8152)59-64-93 | Рязань (4912)46-61-64 | Томск (3822)98-41-53 |
| Барнаул (3852)73-04-60 | Казань (843)206-01-48 | Набережные Челны (8552)20-53-41 | Самара (846)206-03-16 | Тула (4872)74-02-29 |
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| Волгоград (844)278-03-48 | Киров (8332)68-02-04 | Омск (3812)21-46-40 | Симферополь (3652)67-13-56 | Хабаровск (4212)92-98-04 |
| Вологда (8172)26-41-59 | Краснодар (861)203-40-90 | Орел (4862)44-53-42 | Смоленск (4812)29-41-54 | Челябинск (351)202-03-61 |
| Воронеж (473)204-51-73 | Красноярск (391)204-63-61 | Оренбург (3532)37-68-04 | Сочи (862)225-72-31 | Череповец (8202)49-02-64 |
| Екатеринбург (343)384-55-89 | Курск (4712)77-13-04 | Пенза (8412)22-31-16 | Ставрополь (8652)20-65-13 | Ярославль (4852)69-52-93 |
| | Липецк (4742)52-20-81 | | | |

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