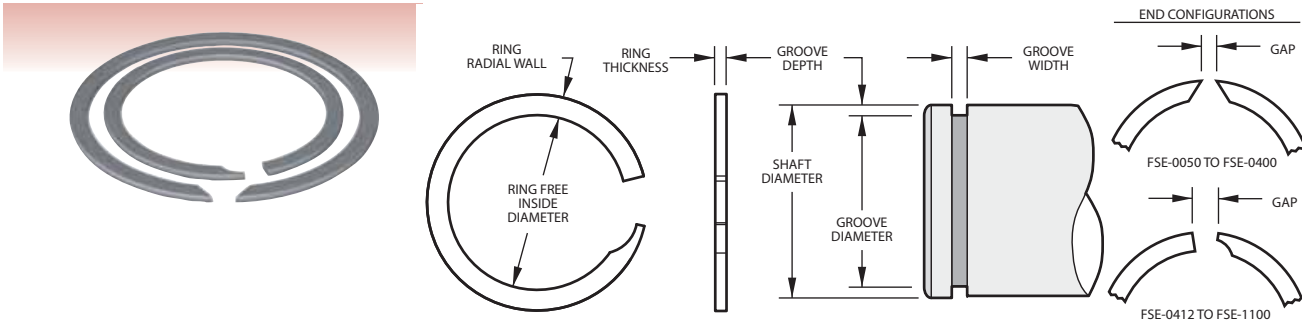


# FSE Series

# Constant Section Rings

Stock Items available in carbon steel and 302 stainless steel.



Product Dimensions All dimensions are in inches unless otherwise specified.

Smalley Part Number <sup>1,4</sup>	Shaft Diameter	Ring			Groove		Thrust Capacity	
		Inside Diameter	Radial Wall	Thickness	Diameter	Width	Groove Yield (lb) <sup>2</sup>	Ring Shear (lb) <sup>3</sup>
FSE-0050	.500	.471	.055	.037	.476	.043	424	2,325
FSE-0056	.562	.524	.055	.037	.532	.043	596	2,613
FSE-0062	.625	.590	.065	.037	.595	.043	663	2,906
FSE-0068	.687	.649	.065	.037	.655	.043	777	3,194
FSE-0075	.750	.701	.075	.045	.710	.051	1,060	4,241
FSE-0081	.812	.764	.075	.045	.772	.051	1,148	4,592
FSE-0087	.875	.820	.075	.045	.831	.051	1,361	4,948
FSE-0093	.937	.886	.085	.045	.893	.051	1,457	5,334
FSE-0100	1.000	.933	.085	.045	.952	.051	1,696	5,693
FSE-0106	1.062	1.004	.085	.045	1.014	.051	1,802	6,045
FSE-0112	1.125	1.069	.128	.057	1.077	.063	1,909	7,615
FSE-0118	1.187	1.116	.128	.057	1.131	.063	2,349	8,035
FSE-0125	1.250	1.176	.128	.057	1.188	.063	2,739	8,461
FSE-0131	1.312	1.223	.128	.057	1.242	.063	3,246	8,881
FSE-0137	1.375	1.282	.128	.057	1.297	.063	3,791	9,307
FSE-0143	1.437	1.344	.158	.067	1.359	.073	3,961	11,408
FSE-0150	1.500	1.402	.158	.067	1.422	.073	4,135	11,908
FSE-0156	1.562	1.457	.158	.067	1.470	.073	5,079	12,400
FSE-0162	1.625	1.517	.158	.067	1.533	.073	5,284	12,901
FSE-0168	1.687	1.578	.158	.067	1.595	.073	5,485	13,393
FSE-0175	1.750	1.640	.158	.067	1.658	.073	5,690	13,893
FSE-0181	1.812	1.697	.158	.067	1.720	.073	5,892	14,385
FSE-0187	1.875	1.767	.158	.067	1.783	.073	6,097	14,885
FSE-0193	1.937	1.800	.200	.076	1.819	.085	8,078	16,649
FSE-0200	2.000	1.862	.200	.076	1.882	.085	8,341	17,191
FSE-0206	2.062	1.924	.200	.076	1.944	.085	8,599	17,724
FSE-0212	2.125	1.987	.200	.076	2.007	.085	8,862	18,265
FSE-0218	2.187	2.048	.200	.076	2.069	.085	9,121	18,798
FSE-0225	2.250	2.110	.200	.076	2.132	.085	9,384	19,340
FSE-0231	2.312	2.171	.200	.076	2.194	.085	9,642	19,873
FSE-0237	2.375	2.226	.200	.076	2.257	.085	9,905	20,414
FSE-0243	2.437	2.296	.200	.076	2.319	.085	10,163	20,947
FSE-0250	2.500	2.357	.200	.076	2.382	.085	10,426	21,488
FSE-0256	2.562	2.415	.200	.095	2.444	.104	10,685	26,252
FSE-0262	2.625	2.486	.200	.095	2.507	.104	10,947	26,898
FSE-0268	2.687	2.537	.200	.095	2.569	.104	11,206	27,533
FSE-0275	2.750	2.607	.200	.095	2.632	.104	11,469	28,179
FSE-0281	2.812	2.665	.200	.095	2.694	.104	11,727	28,814
FSE-0287	2.875	2.727	.200	.095	2.757	.104	11,990	29,460
FSE-0293	2.937	2.789	.200	.095	2.819	.104	12,249	30,095

<sup>1</sup> Add suffix "-S02" for 302 stainless steel.

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

<sup>3</sup> Based on a safety factor of 3.

<sup>4</sup> See pages 126-127 for How to Order.

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](mailto:sym@nt-rt.ru)

Stock Items available in carbon steel and 302 stainless steel.

Product Dimensions All dimensions are in inches unless otherwise specified.

Smalley Part Number <sup>1,4</sup>	Shaft Diameter	Ring			Groove		Thrust Capacity	
		Inside Diameter	Radial Wall	Thickness	Diameter	Width	Groove Yield (lb) <sup>2</sup>	Ring Shear (lb) <sup>3</sup>
FSE-0300	3.000	2.852	.200	.095	2.882	.104	12,511	30,740
FSE-0306	3.062	2.916	.200	.095	2.944	.104	12,770	31,376
FSE-0312	3.125	2.955	.237	.095	2.987	.104	15,242	32,021
FSE-0318	3.187	3.016	.237	.095	3.049	.104	15,544	32,657
FSE-0325	3.250	3.079	.237	.095	3.112	.104	15,851	33,302
FSE-0331	3.312	3.140	.248	.115	3.174	.124	16,154	39,088
FSE-0337	3.375	3.203	.248	.115	3.237	.124	16,461	39,831
FSE-0343	3.437	3.264	.248	.115	3.299	.124	16,763	40,563
FSE-0350	3.500	3.326	.248	.115	3.362	.124	17,071	41,307
FSE-0356	3.562	3.378	.248	.115	3.424	.124	17,373	42,038
FSE-0362	3.625	3.451	.248	.115	3.487	.124	17,680	42,782
FSE-0368	3.687	3.512	.248	.115	3.549	.124	17,983	43,514
FSE-0375	3.750	3.570	.248	.115	3.612	.124	18,290	44,257
FSE-0381	3.812	3.636	.248	.115	3.674	.124	18,592	44,989
FSE-0387	3.875	3.689	.248	.115	3.737	.124	18,900	45,732
FSE-0393	3.937	3.760	.248	.115	3.799	.124	19,202	46,464
FSE-0400	4.000	3.828	.248	.115	3.862	.124	19,509	47,208
FSE-0412	4.125	3.930	.265	.153	3.967	.163	23,035	62,126
FSE-0425	4.250	4.050	.265	.153	4.092	.163	23,733	64,008
FSE-0437	4.375	4.174	.265	.153	4.217	.163	24,431	65,891
FSE-0450	4.500	4.297	.265	.153	4.342	.163	25,129	67,774
FSE-0462	4.625	4.421	.265	.153	4.467	.163	25,827	69,656
FSE-0475	4.750	4.530	.265	.153	4.592	.163	26,525	71,539
FSE-0487	4.875	4.668	.265	.153	4.717	.163	27,223	73,421
FSE-0500	5.000	4.792	.265	.153	4.842	.163	27,921	75,304
FSE-0525	5.250	5.039	.265	.153	5.092	.163	29,317	79,069
FSE-0550	5.500	5.292	.265	.153	5.342	.163	30,713	82,834
FSE-0575	5.750	5.535	.265	.153	5.592	.163	32,109	86,599
FSE-0600	6.000	5.744	.316	.153	5.804	.163	41,563	90,365
FSE-0625	6.250	5.992	.316	.153	6.054	.163	43,295	94,130
FSE-0650	6.500	6.236	.316	.153	6.304	.163	45,027	97,895
FSE-0675	6.750	6.486	.316	.153	6.554	.163	46,759	101,727
FSE-0700	7.000	6.734	.316	.153	6.804	.163	48,490	105,494
FSE-0725	7.250	6.993	.316	.153	7.054	.163	50,222	109,262
FSE-0750	7.500	7.219	.316	.153	7.304	.163	51,954	113,030
FSE-0775	7.750	7.477	.316	.153	7.554	.163	53,686	116,797
FSE-0800	8.000	7.683	.435	.192	7.764	.203	66,727	142,932
FSE-0825	8.250	7.940	.435	.192	8.014	.203	68,813	147,399
FSE-0850	8.500	8.179	.435	.192	8.264	.203	70,898	151,866
FSE-0875	8.750	8.427	.435	.192	8.514	.203	72,983	156,332
FSE-0900	9.000	8.673	.435	.192	8.764	.203	75,068	160,799
FSE-0925	9.250	8.922	.435	.192	9.014	.203	77,154	165,265
FSE-0950	9.500	9.130	.435	.192	9.240	.203	87,297	169,732
FSE-0975	9.750	9.393	.435	.192	9.490	.203	89,594	174,199
FSE-1000	10.000	9.586	.500	.192	9.686	.203	110,977	178,665
FSE-1025	10.250	9.826	.500	.192	9.936	.203	113,751	183,132
FSE-1050	10.500	10.081	.500	.192	10.186	.203	116,526	187,599
FSE-1075	10.750	10.329	.500	.192	10.436	.203	119,300	192,065
FSE-1100	11.000	10.584	.500	.192	10.686	.203	122,074	196,532

<sup>1</sup> Add suffix "-S02" for 302 stainless steel.

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

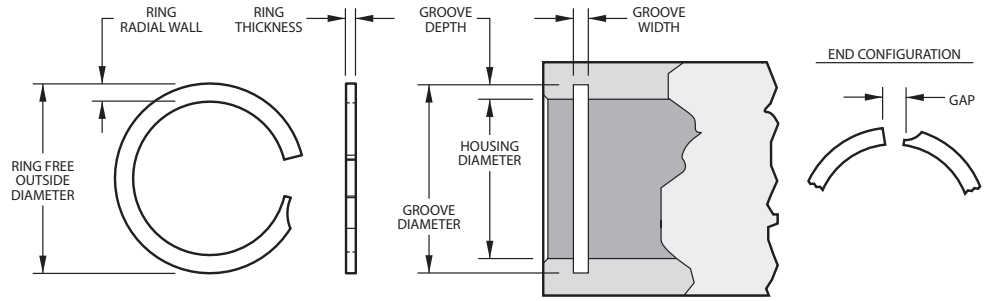
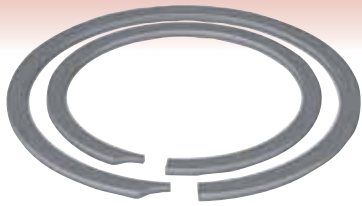
<sup>3</sup> Based on a safety factor of 3.

<sup>4</sup> See pages 126-127 for How to Order.

# FHE Series

# Constant Section Rings

Stock Items available in carbon steel and 302 stainless steel.



Product Dimensions All dimensions are in inches unless otherwise specified.

Smalley Part Number <sup>1,4</sup>	Housing Diameter	Ring			Groove		Thrust Capacity	
		Outside Diameter	Radial Wall	Thickness	Diameter	Width	Groove Yield (lb) <sup>2</sup>	Ring Shear (lb) <sup>3</sup>
FHE-0050	.500	.529	.055	.037	.524	.043	424	2,325
FHE-0056	.562	.591	.055	.037	.586	.043	477	2,613
FHE-0062	.625	.665	.065	.037	.657	.043	707	2,906
FHE-0068	.687	.726	.065	.037	.719	.043	777	3,194
FHE-0075	.750	.797	.075	.037	.790	.043	1,060	3,487
FHE-0081	.812	.860	.075	.037	.852	.043	1,148	3,775
FHE-0087	.875	.924	.075	.037	.915	.043	1,237	4,068
FHE-0093	.937	1.000	.085	.045	.985	.051	1,590	5,334
FHE-0100	1.000	1.058	.085	.045	1.048	.051	1,696	5,693
FHE-0106	1.062	1.121	.094	.045	1.110	.051	1,802	6,045
FHE-0112	1.125	1.192	.094	.045	1.181	.051	2,227	6,404
FHE-0118	1.187	1.252	.094	.045	1.243	.051	2,349	6,757
FHE-0125	1.250	1.336	.094	.045	1.316	.051	2,916	7,116
FHE-0131	1.312	1.391	.094	.045	1.378	.051	3,060	7,469
FHE-0137	1.375	1.470	.128	.057	1.453	.063	3,791	9,307
FHE-0143	1.437	1.529	.128	.057	1.515	.063	3,961	9,727
FHE-0150	1.500	1.592	.128	.057	1.578	.063	4,135	10,153
FHE-0156	1.562	1.687	.158	.067	1.666	.073	5,741	12,400
FHE-0162	1.625	1.746	.158	.067	1.729	.073	5,973	12,901
FHE-0168	1.687	1.808	.158	.067	1.791	.073	6,201	13,393
FHE-0175	1.750	1.885	.158	.067	1.862	.073	6,927	13,893
FHE-0181	1.812	1.942	.158	.067	1.924	.073	7,173	14,385
FHE-0187	1.875	2.007	.158	.067	1.987	.073	7,422	14,885
FHE-0193	1.937	2.074	.200	.076	2.055	.085	8,078	16,649
FHE-0200	2.000	2.143	.200	.076	2.118	.085	8,341	17,191
FHE-0206	2.062	2.200	.200	.076	2.180	.085	8,599	17,724
FHE-0212	2.125	2.264	.200	.076	2.243	.085	8,862	18,265
FHE-0218	2.187	2.327	.200	.076	2.305	.085	9,121	18,798
FHE-0225	2.250	2.389	.200	.076	2.368	.085	9,384	19,340
FHE-0231	2.312	2.453	.200	.076	2.430	.085	9,642	19,873
FHE-0237	2.375	2.517	.200	.076	2.493	.085	9,905	20,414
FHE-0243	2.437	2.582	.200	.076	2.555	.085	10,163	20,947
FHE-0250	2.500	2.643	.200	.076	2.618	.085	10,426	21,488
FHE-0256	2.562	2.705	.200	.095	2.680	.104	10,685	26,225
FHE-0262	2.625	2.777	.200	.095	2.743	.104	10,947	26,870
FHE-0268	2.687	2.828	.200	.095	2.805	.104	11,206	27,504
FHE-0275	2.750	2.899	.200	.095	2.868	.104	11,469	28,149
FHE-0281	2.812	2.958	.200	.095	2.930	.104	11,727	28,784
FHE-0287	2.875	3.022	.200	.095	2.993	.104	11,990	29,429
FHE-0293	2.937	3.084	.200	.095	3.055	.104	12,249	30,063
FHE-0300	3.000	3.145	.200	.095	3.118	.104	12,511	30,708
FHE-0306	3.062	3.218	.200	.095	3.184	.104	13,203	31,343
FHE-0312	3.125	3.294	.237	.095	3.263	.104	15,242	31,988
FHE-0318	3.187	3.357	.237	.095	3.325	.104	15,544	32,622
FHE-0325	3.250	3.420	.237	.095	3.388	.104	15,851	33,267

<sup>1</sup> Add suffix "-S02" for 302 stainless steel.

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

<sup>3</sup> Based on a safety factor of 3.

<sup>4</sup> See pages 126-127 for How to Order.

Smalley Part Number <sup>1,4</sup>	Housing Diameter	Ring			Groove		Thrust Capacity	
		Outside Diameter	Radial Wall	Thickness	Diameter	Width	Groove Yield (lb) <sup>2</sup>	Ring Shear (lb) <sup>3</sup>
FHE-0331	3.312	3.483	.248	.115	3.450	.124	16,154	38,952
FHE-0337	3.375	3.547	.248	.115	3.513	.124	16,461	39,693
FHE-0343	3.437	3.609	.248	.115	3.575	.124	16,763	40,422
FHE-0350	3.500	3.673	.248	.115	3.638	.124	17,071	41,163
FHE-0356	3.562	3.728	.248	.115	3.700	.124	17,373	41,892
FHE-0362	3.625	3.799	.248	.115	3.763	.124	17,680	42,633
FHE-0368	3.687	3.862	.248	.115	3.825	.124	17,983	43,362
FHE-0375	3.750	3.922	.248	.115	3.888	.124	18,290	44,103
FHE-0381	3.812	3.988	.248	.115	3.950	.124	18,592	44,832
FHE-0387	3.875	4.044	.248	.115	4.013	.124	18,900	45,573
FHE-0393	3.937	4.114	.248	.115	4.075	.124	19,202	46,302
FHE-0400	4.000	4.223	.265	.153	4.158	.163	22,337	60,283
FHE-0412	4.125	4.329	.265	.153	4.283	.163	23,035	62,166
FHE-0425	4.250	4.452	.265	.153	4.408	.163	23,733	64,050
FHE-0437	4.375	4.576	.265	.153	4.533	.163	24,431	65,934
FHE-0450	4.500	4.703	.265	.153	4.658	.163	25,129	67,818
FHE-0462	4.625	4.829	.265	.153	4.783	.163	25,827	69,702
FHE-0475	4.750	4.945	.265	.153	4.908	.163	26,525	71,585
FHE-0487	4.875	5.082	.265	.153	5.033	.163	27,223	73,469
FHE-0500	5.000	5.207	.265	.153	5.158	.163	27,921	75,353
FHE-0525	5.250	5.460	.265	.153	5.408	.163	29,317	79,121
FHE-0550	5.500	5.719	.265	.153	5.658	.163	30,713	82,888
FHE-0575	5.750	5.965	.265	.153	5.908	.163	32,109	86,656
FHE-0600	6.000	6.256	.316	.153	6.196	.163	41,563	90,424
FHE-0625	6.250	6.508	.316	.153	6.446	.163	43,295	94,191
FHE-0650	6.500	6.760	.316	.153	6.696	.163	45,027	97,959
FHE-0675	6.750	7.013	.316	.153	6.946	.163	46,759	101,727
FHE-0700	7.000	7.266	.316	.153	7.196	.163	48,490	105,494
FHE-0725	7.250	7.541	.316	.153	7.446	.163	50,222	109,262
FHE-0750	7.500	7.762	.316	.153	7.696	.163	51,954	113,030
FHE-0775	7.750	8.023	.316	.153	7.946	.163	53,686	116,797
FHE-0800	8.000	8.276	.316	.153	8.196	.163	55,418	120,565
FHE-0825	8.250	8.580	.373	.192	8.486	.203	68,813	147,399
FHE-0850	8.500	8.821	.373	.192	8.736	.203	70,898	151,866
FHE-0875	8.750	9.073	.373	.192	8.986	.203	72,983	156,332
FHE-0900	9.000	9.326	.373	.192	9.236	.203	75,068	160,799
FHE-0925	9.250	9.580	.373	.192	9.486	.203	77,154	165,265
FHE-0950	9.500	9.831	.373	.192	9.736	.203	79,239	169,732
FHE-0975	9.750	10.083	.373	.192	9.986	.203	81,324	174,199
FHE-1000	10.000	10.414	.435	.192	10.314	.203	110,977	178,665
FHE-1025	10.250	10.660	.435	.192	10.564	.203	113,751	183,132
FHE-1050	10.500	10.919	.435	.192	10.814	.203	116,526	187,599
FHE-1075	10.750	11.171	.435	.192	11.064	.203	119,300	192,065
FHE-1100	11.000	11.440	.435	.192	11.314	.203	122,074	196,532

<sup>1</sup> Add suffix "-S02" for 302 stainless steel.

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

<sup>3</sup> Based on a safety factor of 3.

<sup>4</sup> See pages 126-127 for How to Order.

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 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  
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 Пенза (8412)22-31-16

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 Ростов-на-Дону (863)308-18-15  
 Рязань (4912)46-61-64  
 Самара (846)206-03-16  
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 Сочи (862)225-72-31  
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 Тула (4872)74-02-29  
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