

Спиральные стопорные кольца WHM/WSM Технические характеристики (eng)

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
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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

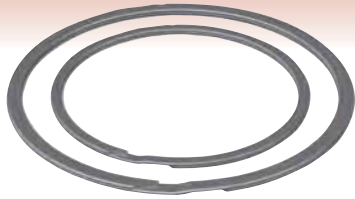
<http://smalley.nt-rt.ru> || sym@nt-rt.ru

WHM Series

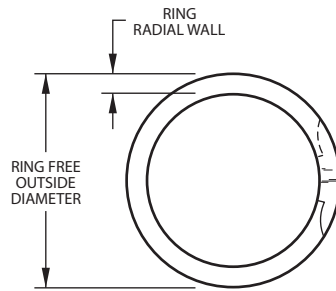
SPIROLOX RINGS EXCLUSIVELY FROM SMALLEY

Heavy Duty Series

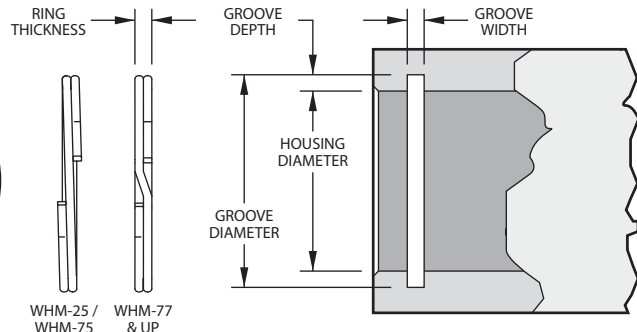
Stock Items available in carbon steel and 302 and 316 stainless steel.



AS3215, AS4299
MIL-DTL-27426/4



*No removal notch



WHM-25 / WHM-75 WHM-77 & UP

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
WHM-25*	.250	.270	.020	.015	.268	.020	159	561
WHM-31*	.312	.333	.025	.015	.330	.020	198	700
WHM-37*	.375	.400	.030	.025	.397	.029	292	1,442
WHM-43	.437	.464	.035	.025	.461	.029	371	1,680
WHM-50	.500	.538	.045	.035	.530	.039	530	2,530
WHM-51	.512	.550	.045	.035	.542	.039	540	2,590
WHM-56	.562	.605	.055	.035	.596	.039	680	2,840
WHM-62	.625	.675	.055	.035	.665	.039	880	3,160
WHM-68	.688	.743	.065	.035	.732	.039	1,070	3,480
WHM-75	.750	.807	.065	.035	.796	.039	1,220	3,790
WHM-77	.777	.836	.075	.042	.825	.046	1,320	4,720
WHM-81	.812	.873	.075	.042	.862	.046	1,440	4,930
WHM-86	.866	.931	.075	.042	.920	.046	1,650	5,260
WHM-87	.875	.943	.085	.042	.931	.046	1,730	5,310
WHM-90	.901	.972	.085	.042	.959	.046	1,850	5,470
WHM-93	.938	1.013	.085	.042	1.000	.046	2,060	5,690
WHM-100	1.000	1.080	.085	.042	1.066	.046	2,330	6,070
WHM-102	1.023	1.105	.085	.042	1.091	.046	2,460	6,210
WHM-106	1.062	1.138	.103	.050	1.130	.056	2,550	7,010
WHM-112	1.125	1.205	.103	.050	1.197	.056	2,860	7,420
WHM-118	1.188	1.271	.103	.050	1.262	.056	3,110	7,840
WHM-125	1.250	1.339	.103	.050	1.330	.056	3,530	8,250
WHM-131	1.312	1.406	.118	.050	1.396	.056	3,900	8,660
WHM-137	1.375	1.471	.118	.050	1.461	.056	4,180	9,070
WHM-143	1.439	1.539	.118	.050	1.528	.056	4,580	9,490
WHM-145	1.456	1.559	.118	.050	1.548	.056	4,730	9,610
WHM-150	1.500	1.605	.118	.050	1.594	.056	4,980	9,900
WHM-156	1.562	1.675	.128	.062	1.658	.068	5,300	12,780
WHM-162	1.625	1.742	.128	.062	1.725	.068	5,740	13,290
WHM-165	1.653	1.772	.128	.062	1.755	.068	5,960	13,520
WHM-168	1.688	1.810	.128	.062	1.792	.068	6,210	13,810
WHM-175	1.750	1.876	.128	.062	1.858	.068	6,680	14,320
WHM-181	1.812	1.940	.128	.062	1.922	.068	7,050	14,820
WHM-185	1.850	1.981	.158	.062	1.962	.068	7,320	15,130
WHM-187	1.875	2.008	.158	.062	1.989	.068	7,560	15,340
WHM-193	1.938	2.075	.158	.062	2.056	.068	8,080	15,850
WHM-200	2.000	2.142	.158	.062	2.122	.068	8,620	16,360
WHM-206	2.062	2.201	.168	.078	2.186	.086	9,040	21,220
WHM-212	2.125	2.267	.168	.078	2.251	.086	9,460	21,870
WHM-218	2.188	2.334	.168	.078	2.318	.086	10,050	22,520
WHM-225	2.250	2.399	.168	.078	2.382	.086	10,500	23,160
WHM-231	2.312	2.467	.200	.078	2.450	.086	11,280	23,800
WHM-237	2.375	2.535	.200	.078	2.517	.086	11,920	24,440
WHM-244	2.440	2.602	.200	.078	2.584	.086	12,420	25,110
WHM-250	2.500	2.667	.200	.078	2.648	.086	13,080	25,730
WHM-253	2.531	2.700	.200	.078	2.681	.086	13,420	26,050
WHM-256	2.562	2.733	.225	.093	2.714	.103	13,760	29,940
WHM-262	2.625	2.801	.225	.093	2.781	.103	14,470	30,680
WHM-268	2.688	2.868	.225	.093	2.848	.103	15,200	31,410
WHM-275	2.750	2.934	.225	.093	2.914	.103	15,940	32,140
WHM-281	2.813	3.001	.225	.093	2.980	.103	16,700	32,880

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.

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
WHM-283	2.834	3.027	.225	.093	3.006	.103	17,230	33,120
WHM-287	2.875	3.072	.225	.093	3.051	.103	17,880	33,600
WHM-300	3.000	3.204	.225	.093	3.182	.103	18,300	35,060
WHM-306	3.062	3.271	.281	.111	3.248	.120	20,130	42,710
WHM-312	3.125	3.338	.281	.111	3.315	.120	20,990	43,590
WHM-315	3.157	3.371	.281	.111	3.348	.120	21,420	44,040
WHM-325	3.250	3.470	.281	.111	3.446	.120	22,510	45,330
WHM-334	3.346	3.571	.281	.111	3.546	.120	23,650	46,670
WHM-347	3.464	3.701	.281	.111	3.675	.120	25,710	48,320
WHM-350	3.500	3.736	.281	.111	3.710	.120	25,980	48,820
WHM-354	3.543	3.781	.281	.111	3.755	.120	26,550	49,420
WHM-356	3.562	3.802	.281	.111	3.776	.120	26,940	49,690
WHM-362	3.625	3.868	.281	.111	3.841	.120	27,670	50,560
WHM-375	3.750	4.002	.312	.111	3.974	.120	29,690	52,310
WHM-387	3.875	4.136	.312	.111	4.107	.120	31,770	54,050
WHM-393	3.938	4.203	.312	.111	4.174	.120	32,850	54,930
WHM-400	4.000	4.270	.312	.111	4.240	.120	33,930	55,800
WHM-412	4.125	4.369	.312	.111	4.339	.120	34,990	57,540
WHM-425	4.250	4.501	.312	.111	4.470	.120	36,050	59,280
WHM-433	4.330	4.588	.312	.111	4.556	.120	36,730	60,400
WHM-450	4.500	4.768	.312	.111	4.735	.120	38,170	62,770
WHM-462	4.625	4.899	.312	.111	4.865	.120	39,230	64,510
WHM-475	4.750	5.030	.312	.111	4.995	.120	41,300	66,260
WHM-500	5.000	5.297	.312	.111	5.260	.120	45,950	69,740
WHM-525	5.250	5.559	.350	.127	5.520	.139	50,100	83,790
WHM-537	5.375	5.690	.350	.127	5.650	.139	51,290	85,780
WHM-550	5.500	5.810	.350	.127	5.770	.139	52,480	87,780
WHM-575	5.750	6.062	.350	.127	6.020	.139	54,870	91,770
WHM-600	6.000	6.314	.350	.127	6.270	.139	57,260	95,760
WHM-625	6.250	6.576	.380	.156	6.530	.174	61,850	122,520
WHM-650	6.500	6.838	.380	.156	6.790	.174	66,620	127,420
WHM-662	6.625	6.974	.380	.156	6.925	.174	70,240	129,870
WHM-675	6.750	7.105	.380	.156	7.055	.174	73,000	132,320
WHM-700	7.000	7.366	.380	.156	7.315	.174	78,180	137,230
WHM-725	7.250	7.628	.418	.187	7.575	.209	83,530	170,370
WHM-750	7.500	7.895	.418	.187	7.840	.209	90,120	176,240
WHM-775	7.750	8.157	.418	.187	8.100	.209	95,870	182,120
WHM-800	8.000	8.419	.418	.187	8.360	.209	101,790	187,990
WHM-825	8.250	8.680	.437	.187	8.620	.209	107,880	193,870
WHM-850	8.500	8.942	.437	.187	8.880	.209	114,160	199,740
WHM-875	8.750	9.209	.437	.187	9.145	.209	122,460	205,620
WHM-900	9.000	9.471	.437	.187	9.405	.209	129,140	211,490
WHM-925	9.250	9.737	.437	.187	9.669	.209	137,310	217,370
WHM-950	9.500	10.000	.500	.187	9.930	.209	144,380	223,240
WHM-975	9.750	10.260	.500	.187	10.189	.209	150,620	229,120
WHM-1000	10.000	10.523	.500	.187	10.450	.209	159,040	234,990
WHM-1025	10.250	10.786	.500	.187	10.711	.209	167,370	240,870
WHM-1050	10.500	11.047	.500	.187	10.970	.209	174,420	246,740
WHM-1075	10.750	11.313	.500	.187	11.234	.209	183,890	252,620
WHM-1100	11.000	11.575	.500	.187	11.495	.209	192,830	258,490
WHM-1125	11.250	11.838	.500	.187	11.756	.209	201,190	264,370
WHM-1150	11.500	12.102	.562	.187	12.018	.209	210,540	270,240
WHM-1175	11.750	12.365	.562	.187	12.279	.209	220,100	276,120
WHM-1200	12.000	12.628	.562	.187	12.540	.209	229,020	281,990
WHM-1225	12.250	12.891	.562	.187	12.801	.209	238,990	287,860
WHM-1250	12.500	13.154	.562	.187	13.063	.209	249,170	293,740
WHM-1275	12.750	13.417	.562	.187	13.324	.209	258,660	299,610
WHM-1300	13.000	13.680	.662	.187	13.585	.209	269,240	305,490
WHM-1325	13.250	13.943	.662	.187	13.846	.209	279,100	311,360
WHM-1350	13.500	14.207	.662	.187	14.108	.209	290,100	317,240
WHM-1375	13.750	14.470	.662	.187	14.369	.209	301,300	323,110
WHM-1400	14.000	14.732	.662	.187	14.630	.209	311,730	328,990
WHM-1425	14.250	14.995	.662	.187	14.891	.209	323,340	334,860
WHM-1450	14.500	15.259	.750	.187	15.153	.209	335,160	340,740
WHM-1475	14.750	15.522	.750	.187	15.414	.209	346,150	346,610
WHM-1500	15.000	15.785	.750	.187	15.675	.209	358,380	352,490

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.

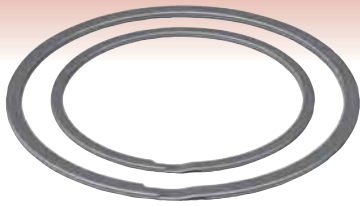
⁴ See pages 134-135 for How to Order.

WSM Series

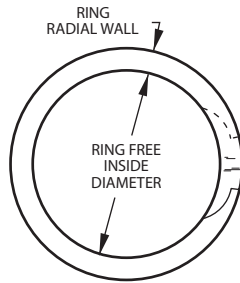
SPIROLOX RINGS EXCLUSIVELY FROM SMALLEY

Heavy Duty Rings

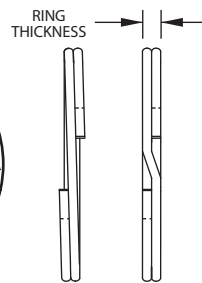
Stock Items available in carbon steel and 302 and 316 stainless steel.



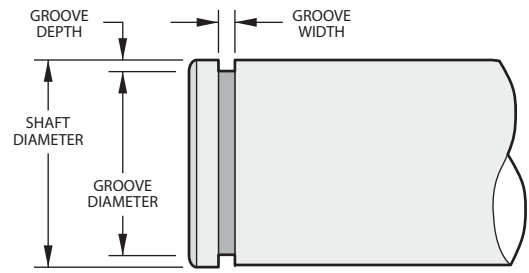
AS3216, AS4299
MIL-DTL-27426/2



*No removal notch



WSM-25 / WSM-66
WSM-68 & UP



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
WSM-25*	.250	.228	.020	.025	.230	.029	177	961
WSM-31*	.312	.287	.025	.025	.290	.029	243	1,200
WSM-37*	.375	.349	.030	.025	.352	.029	305	1,442
WSM-43	.437	.409	.035	.025	.412	.029	386	1,680
WSM-46	.469	.439	.045	.025	.443	.029	430	1,880
WSM-50	.500	.464	.050	.035	.468	.039	570	2,530
WSM-55	.551	.514	.050	.035	.519	.039	620	2,790
WSM-56	.562	.525	.050	.035	.530	.039	640	2,840
WSM-59	.594	.554	.050	.035	.559	.039	760	3,000
WSM-62	.625	.583	.055	.035	.588	.039	840	3,160
WSM-66	.669	.623	.055	.035	.629	.039	950	3,380
WSM-68	.688	.641	.065	.042	.646	.046	1,020	4,180
WSM-75	.750	.698	.065	.042	.704	.046	1,220	4,550
WSM-78	.781	.727	.065	.042	.733	.046	1,330	4,740
WSM-81	.812	.756	.065	.042	.762	.046	1,440	4,930
WSM-87	.875	.814	.075	.042	.821	.046	1,670	5,310
WSM-93	.938	.875	.075	.042	.882	.046	1,860	5,690
WSM-98	.984	.919	.085	.042	.926	.046	2,020	5,970
WSM-100	1.000	.932	.085	.042	.940	.046	2,120	6,070
WSM-102	1.023	.953	.085	.042	.961	.046	2,240	6,210
WSM-106	1.062	.986	.103	.050	.998	.056	2,400	7,010
WSM-112	1.125	1.047	.103	.050	1.059	.056	2,620	7,420
WSM-118	1.188	1.105	.103	.050	1.118	.056	2,940	7,840
WSM-125	1.250	1.163	.103	.050	1.176	.056	3,270	8,250
WSM-131	1.312	1.218	.118	.050	1.232	.056	3,710	8,660
WSM-137	1.375	1.277	.118	.050	1.291	.056	4,080	9,070
WSM-143	1.438	1.336	.118	.050	1.350	.056	4,470	9,490
WSM-150	1.500	1.385	.118	.050	1.406	.056	4,980	9,900
WSM-156	1.562	1.453	.128	.062	1.468	.068	5,190	12,780
WSM-162	1.625	1.513	.128	.062	1.529	.068	5,510	13,290
WSM-168	1.687	1.573	.128	.062	1.589	.068	5,840	13,800
WSM-175	1.750	1.633	.128	.062	1.650	.068	6,190	14,320
WSM-177	1.771	1.651	.128	.062	1.669	.068	6,380	14,490
WSM-181	1.812	1.690	.128	.062	1.708	.068	6,660	14,820
WSM-187	1.875	1.751	.158	.062	1.769	.068	7,020	15,340
WSM-196	1.969	1.838	.158	.062	1.857	.068	7,790	16,110
WSM-200	2.000	1.867	.158	.062	1.886	.068	8,060	16,360
WSM-206	2.062	1.932	.168	.078	1.946	.086	8,450	21,220
WSM-212	2.125	1.989	.168	.078	2.003	.086	9,160	21,870
WSM-215	2.156	2.018	.168	.078	2.032	.086	9,450	22,190
WSM-225	2.250	2.105	.168	.078	2.120	.086	10,340	23,160
WSM-231	2.312	2.163	.168	.078	2.178	.086	10,950	23,800
WSM-237	2.375	2.223	.200	.078	2.239	.086	11,420	24,440
WSM-243	2.437	2.283	.200	.078	2.299	.086	11,890	25,080
WSM-250	2.500	2.343	.200	.078	2.360	.086	12,370	25,730
WSM-255	2.559	2.402	.200	.078	2.419	.086	12,660	26,340
WSM-262	2.625	2.464	.200	.078	2.481	.086	13,360	27,020
WSM-268	2.687	2.523	.200	.078	2.541	.086	13,870	27,660

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
WSM-275	2.750	2.584	.225	.093	2.602	.103	14,390	32,140
WSM-287	2.875	2.702	.225	.093	2.721	.103	15,650	33,600
WSM-293	2.937	2.760	.225	.093	2.779	.103	16,400	34,320
WSM-300	3.000	2.818	.225	.093	2.838	.103	17,180	35,060
WSM-306	3.062	2.878	.225	.093	2.898	.103	17,750	35,790
WSM-312	3.125	2.936	.225	.093	2.957	.103	18,560	36,520
WSM-315	3.156	2.965	.225	.093	2.986	.103	18,960	36,880
WSM-325	3.250	3.054	.225	.093	3.076	.103	19,990	37,980
WSM-334	3.344	3.144	.225	.093	3.166	.103	21,040	39,080
WSM-343	3.437	3.234	.225	.093	3.257	.103	21,870	40,170
WSM-350	3.500	3.293	.270	.111	3.316	.120	22,760	48,820
WSM-354	3.543	3.333	.270	.111	3.357	.120	23,290	49,420
WSM-362	3.625	3.411	.270	.111	3.435	.120	24,340	50,560
WSM-368	3.687	3.469	.270	.111	3.493	.120	25,280	51,430
WSM-375	3.750	3.527	.270	.111	3.552	.120	26,240	52,310
WSM-387	3.875	3.647	.270	.111	3.673	.120	27,670	54,050
WSM-393	3.938	3.708	.270	.111	3.734	.120	28,390	54,930
WSM-400	4.000	3.765	.270	.111	3.792	.120	29,410	55,800
WSM-425	4.250	4.037	.270	.111	4.065	.120	27,940	59,280
WSM-437	4.375	4.161	.270	.111	4.190	.120	28,760	61,030
WSM-450	4.500	4.280	.270	.111	4.310	.120	30,220	62,770
WSM-475	4.750	4.518	.270	.111	4.550	.120	36,930	66,260
WSM-500	5.000	4.756	.270	.111	4.790	.120	37,110	69,740
WSM-525	5.250	4.995	.350	.127	5.030	.139	40,820	83,790
WSM-550	5.500	5.228	.350	.127	5.265	.139	45,880	87,780
WSM-575	5.750	5.466	.350	.127	5.505	.139	49,990	91,770
WSM-600	6.000	5.705	.350	.127	5.745	.139	54,290	95,760
WSM-625	6.250	5.938	.418	.156	5.985	.174	58,760	122,520
WSM-650	6.500	6.181	.418	.156	6.225	.174	63,410	127,420
WSM-675	6.750	6.410	.418	.156	6.465	.174	68,230	132,330
WSM-700	7.000	6.648	.418	.156	6.705	.174	73,230	137,230
WSM-725	7.250	6.891	.418	.156	6.942	.174	78,920	142,130
WSM-750	7.500	7.130	.437	.187	7.180	.209	84,820	176,240
WSM-775	7.750	7.368	.437	.187	7.420	.209	90,390	182,120
WSM-800	8.000	7.606	.437	.187	7.660	.209	96,130	187,990
WSM-825	8.250	7.845	.437	.187	7.900	.209	102,050	193,870
WSM-850	8.500	8.083	.437	.187	8.140	.209	108,150	199,740
WSM-875	8.750	8.324	.437	.187	8.383	.209	113,800	205,620
WSM-900	9.000	8.560	.500	.187	8.620	.209	120,870	211,490
WSM-925	9.250	8.798	.500	.187	8.860	.209	127,500	217,370
WSM-950	9.500	9.036	.500	.187	9.100	.209	134,300	223,240
WSM-975	9.750	9.275	.500	.187	9.338	.209	141,970	229,120
WSM-1000	10.000	9.508	.500	.187	9.575	.209	150,560	234,990
WSM-1025	10.250	9.745	.500	.187	9.814	.209	157,950	240,870
WSM-1050	10.500	9.984	.500	.187	10.054	.209	165,510	246,740
WSM-1075	10.750	10.221	.500	.187	10.293	.209	174,010	252,620
WSM-1100	11.000	10.459	.500	.187	10.533	.209	181,950	258,490
WSM-1125	11.250	10.692	.500	.187	10.772	.209	190,060	264,360
WSM-1150	11.500	10.934	.562	.187	11.011	.209	199,160	270,240
WSM-1175	11.750	11.171	.562	.187	11.250	.209	207,640	276,120
WSM-1200	12.000	11.410	.562	.187	11.490	.209	216,300	281,990
WSM-1225	12.250	11.647	.562	.187	11.729	.209	226,000	287,860
WSM-1250	12.500	11.885	.562	.187	11.969	.209	235,030	293,740
WSM-1275	12.750	12.124	.562	.187	12.208	.209	244,240	299,610
WSM-1300	13.000	12.361	.662	.187	12.448	.209	253,620	305,490
WSM-1325	13.250	12.598	.662	.187	12.687	.209	264,120	311,360
WSM-1350	13.500	12.837	.662	.187	12.927	.209	273,870	317,240
WSM-1375	13.750	13.074	.662	.187	13.166	.209	283,800	323,110
WSM-1400	14.000	13.311	.662	.187	13.405	.209	294,900	328,990
WSM-1425	14.250	13.548	.662	.187	13.644	.209	305,200	334,860
WSM-1450	14.500	13.787	.750	.187	13.884	.209	315,680	340,740
WSM-1475	14.750	14.024	.750	.187	14.123	.209	327,380	346,610
WSM-1500	15.000	14.262	.750	.187	14.363	.209	338,230	352,490

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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