

# Спиральные стопорные кольца WHT/WST Технические характеристики (eng)

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
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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
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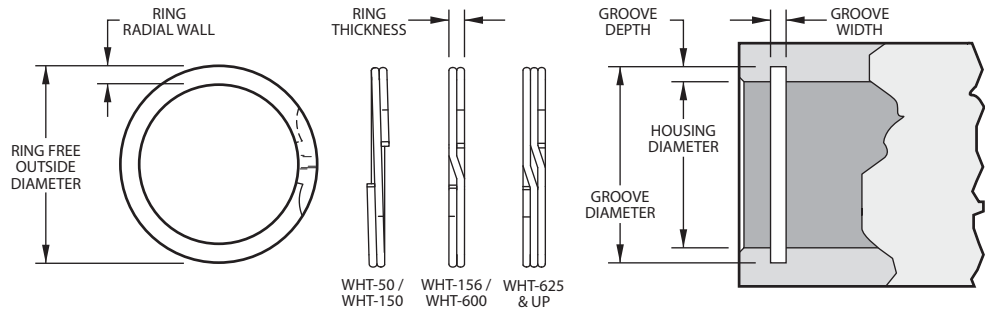
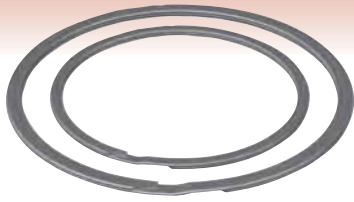
<http://smalley.nt-rt.ru> || [sym@nt-rt.ru](mailto:sym@nt-rt.ru)

# WHT Series

SPIROLOX RINGS EXCLUSIVELY FROM SMALLEY

# Medium Heavy Duty Rings

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



WHT-50 / WHT-150    WHT-156 / WHT-600    WHT-625 & UP

Product Dimensions All dimensions 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>
WHT-50	.500	.529	.045	.035	.524 ±.002	.039	420	2,530
WHT-51	.512	.541	.045	.035	.536 ±.002	.039	430	2,590
WHT-56	.562	.597	.045	.035	.592 ±.002	.039	600	2,840
WHT-62	.625	.665	.045	.035	.659 ±.002	.039	750	3,160
WHT-68	.688	.730	.055	.035	.724 ±.002	.039	880	3,480
WHT-75	.750	.796	.055	.035	.790 ±.002	.039	1,060	3,790
WHT-77	.777	.825	.065	.042	.819 ±.003	.046	1,150	4,720
WHT-81	.812	.864	.065	.042	.857 ±.003	.046	1,320	4,930
WHT-86	.866	.919	.065	.042	.912 ±.003	.046	1,410	5,260
WHT-87	.875	.929	.065	.042	.922 ±.003	.046	1,480	5,310
WHT-90	.901	.957	.065	.042	.950 ±.003	.046	1,590	5,470
WHT-93	.938	.997	.075	.042	.989 ±.003	.046	1,720	5,690
WHT-100	1.000	1.063	.075	.042	1.055 ±.003	.046	1,980	6,070
WHT-102	1.023	1.087	.075	.042	1.079 ±.003	.046	2,030	6,210
WHT-106	1.062	1.129	.078	.050	1.120 ±.003	.056	2,180	7,010
WHT-112	1.125	1.195	.078	.050	1.185 ±.003	.056	2,390	7,420
WHT-118	1.188	1.260	.088	.050	1.250 ±.003	.056	2,600	7,840
WHT-125	1.250	1.330	.093	.050	1.320 ±.004	.056	3,090	8,250
WHT-131	1.312	1.395	.093	.050	1.385 ±.004	.056	3,430	8,660
WHT-137	1.375	1.461	.098	.050	1.450 ±.004	.056	3,690	9,070
WHT-143	1.438	1.526	.103	.050	1.515 ±.004	.056	3,960	9,490
WHT-145	1.456	1.546	.108	.050	1.535 ±.004	.056	4,120	9,610
WHT-150	1.500	1.591	.108	.050	1.580 ±.004	.056	4,240	9,900
WHT-156	1.562	1.659	.113	.062	1.647 ±.005	.068	4,750	12,780
WHT-162	1.625	1.727	.113	.062	1.715 ±.005	.068	5,170	13,290
WHT-165	1.653	1.757	.118	.062	1.745 ±.005	.068	5,380	13,520
WHT-168	1.688	1.793	.118	.062	1.780 ±.005	.068	5,490	13,810
WHT-175	1.750	1.858	.118	.062	1.845 ±.005	.068	5,940	14,320
WHT-181	1.812	1.923	.123	.062	1.910 ±.005	.068	6,280	14,820
WHT-185	1.850	1.963	.123	.062	1.949 ±.005	.068	6,540	15,130
WHT-187	1.875	1.989	.128	.062	1.975 ±.005	.068	6,630	15,340
WHT-193	1.938	2.054	.128	.062	2.040 ±.005	.068	6,990	15,850
WHT-200	2.000	2.125	.138	.062	2.110 ±.005	.068	7,780	16,360
WHT-206	2.062	2.190	.141	.078	2.175 ±.006	.086	8,310	21,220
WHT-212	2.125	2.255	.141	.078	2.240 ±.006	.086	8,710	21,870
WHT-218	2.188	2.321	.141	.078	2.305 ±.006	.086	9,130	22,520
WHT-225	2.250	2.386	.141	.078	2.370 ±.006	.086	9,540	23,160
WHT-231	2.312	2.457	.188	.078	2.440 ±.005	.086	10,460	23,800
WHT-237	2.375	2.522	.188	.078	2.505 ±.005	.086	10,910	24,440
WHT-244	2.440	2.588	.188	.078	2.570 ±.005	.086	11,210	25,110
WHT-250	2.500	2.653	.188	.078	2.635 ±.005	.086	12,020	25,730
WHT-253	2.531	2.687	.188	.078	2.668 ±.005	.086	12,350	26,050
WHT-256	2.562	2.720	.188	.093	2.700 ±.005	.103	12,500	29,940
WHT-262	2.625	2.785	.188	.093	2.765 ±.005	.103	12,990	30,680

<sup>1</sup> Add suffix "-S02" for 302 stainless steel, "-S16" for 316 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 134-135 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>
WHT-268	2.688	2.855	.188	.093	2.834	.103	13,870	31,410
WHT-275	2.750	2.921	.188	.093	2.900	.103	14,580	32,140
WHT-281	2.813	2.987	.188	.093	2.965	.103	15,110	32,880
WHT-283	2.834	3.009	.188	.093	2.987	.103	15,430	33,120
WHT-287	2.875	3.053	.188	.093	3.030	.103	15,850	33,600
WHT-300	3.000	3.188	.188	.093	3.165	.103	17,600	35,060
WHT-306	3.062	3.253	.250	.111	3.230	.120	18,180	42,710
WHT-312	3.125	3.318	.250	.111	3.295	.120	18,780	43,590
WHT-315	3.156	3.354	.250	.111	3.328	.120	19,190	44,040
WHT-325	3.250	3.450	.250	.111	3.426	.120	20,220	45,330
WHT-334	3.346	3.550	.250	.111	3.525	.120	21,290	46,670
WHT-346	3.464	3.675	.250	.111	3.650	.120	22,770	48,320
WHT-350	3.500	3.716	.250	.111	3.690	.120	23,500	48,820
WHT-354	3.543	3.761	.250	.111	3.735	.120	24,040	49,420
WHT-356	3.562	3.783	.250	.111	3.756	.120	24,420	49,690
WHT-362	3.625	3.849	.250	.111	3.822	.120	25,370	50,560
WHT-375	3.750	3.982	.250	.111	3.955	.120	27,300	52,310
WHT-387	3.875	4.115	.250	.111	4.087	.120	29,030	54,050
WHT-393	3.938	4.178	.250	.111	4.150	.120	29,510	54,930
WHT-400	4.000	4.248	.250	.111	4.220	.120	31,100	55,800
WHT-412	4.125	4.373	.312	.111	4.345	.120	32,070	57,540
WHT-425	4.250	4.500	.312	.111	4.470	.120	33,050	59,280
WHT-433	4.330	4.586	.312	.111	4.556	.120	34,590	60,400
WHT-450	4.500	4.768	.312	.111	4.735	.120	37,530	62,770
WHT-462	4.625	4.897	.312	.111	4.865	.120	39,230	64,510
WHT-475	4.750	5.028	.312	.111	4.995	.120	41,300	66,260
WHT-500	5.000	5.295	.312	.111	5.260	.120	45,950	69,740
WHT-525	5.250	5.559	.375	.127	5.520	.139	50,100	83,790
WHT-537	5.375	5.685	.375	.127	5.645	.139	51,290	85,780
WHT-550	5.500	5.810	.375	.127	5.770	.139	52,480	87,780
WHT-575	5.750	6.062	.375	.127	6.020	.139	54,870	91,770
WHT-600	6.000	6.314	.375	.127	6.270	.139	57,260	95,760

<sup>1</sup> Add suffix "-S02" for 302 stainless steel, "-S16" for 316 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 134-135 for How to Order.

**Rings listed below are three-turn construction.**

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>
WHT-625	6.250	6.576	.312	.165	6.530	.174	61,850	129,590
WHT-650	6.500	6.837	.312	.165	6.790	.174	66,620	134,780
WHT-662	6.625	6.973	.312	.165	6.925	.174	70,240	137,370
WHT-675	6.750	7.104	.312	.165	7.055	.174	73,000	139,960
WHT-700	7.000	7.366	.312	.165	7.315	.174	78,180	145,140
WHT-725	7.250	7.628	.375	.189	7.575	.209	83,530	172,190
WHT-750	7.500	7.895	.375	.189	7.840	.209	90,120	178,130
WHT-775	7.750	8.156	.375	.189	8.100	.209	95,870	184,070
WHT-800	8.000	8.418	.375	.189	8.360	.209	101,790	190,000
WHT-825	8.250	8.680	.375	.189	8.620	.209	107,880	195,940
WHT-850	8.500	8.942	.375	.189	8.880	.209	114,160	201,880
WHT-875	8.750	9.209	.375	.189	9.145	.209	122,460	207,820
WHT-900	9.000	9.471	.375	.189	9.405	.209	129,140	213,750
WHT-925	9.250	9.736	.375	.189	9.669	.209	137,310	219,690
WHT-950	9.500	9.999	.375	.189	9.930	.209	144,380	225,630
WHT-975	9.750	10.260	.375	.189	10.189	.209	151,620	231,570
WHT-1000	10.000	10.552	.375	.189	10.450	.209	159,040	237,500
WHT-1050	10.500	11.072	.375	.189	10.970	.209	174,420	249,380

<sup>1</sup> Add suffix "-S02" for 302 stainless steel, "-S16" for 316 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.

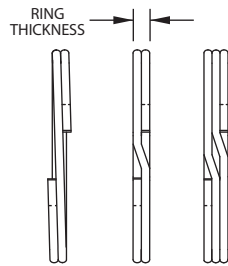
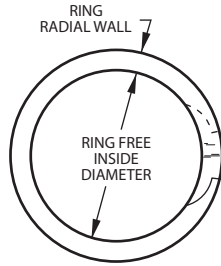
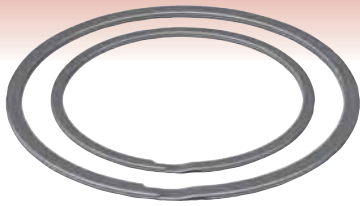
<sup>4</sup> See pages 134-135 for How to Order.

# WST Series

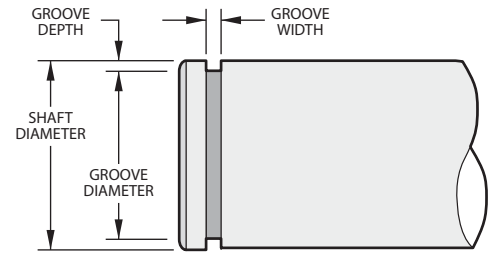
SPIROLOX RINGS EXCLUSIVELY FROM SMALLEY

# Medium Heavy Duty Rings

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



WST-46 / WS-150    WST-156 / WST-600    WST-625 & UP



Product Dimensions All dimensions 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>
WST-46	.469	.436	.045	.025	.443	.029	430	1,800
WST-50	.500	.469	.045	.035	.474	.039	460	2,530
WST-55	.551	.518	.045	.035	.524	.039	550	2,790
WST-56	.562	.529	.045	.035	.535	.039	560	2,840
WST-59	.594	.559	.045	.035	.565	.039	630	3,000
WST-62	.625	.590	.055	.035	.596	.039	660	3,160
WST-66	.669	.630	.055	.035	.638	.039	760	3,380
WST-68	.688	.648	.065	.042	.655	.046	830	4,180
WST-75	.750	.708	.065	.042	.715	.046	950	4,550
WST-78	.781	.738	.065	.042	.745	.046	990	4,740
WST-81	.812	.768	.065	.042	.776	.046	1,030	4,930
WST-87	.875	.827	.075	.042	.835	.046	1,240	5,310
WST-93	.938	.886	.075	.042	.894	.046	1,460	5,690
WST-98	.984	.934	.075	.042	.940	.046	1,530	5,970
WST-100	1.000	.947	.075	.042	.955	.046	1,630	6,070
WST-102	1.023	.969	.075	.042	.977	.046	1,660	6,210
WST-106	1.062	1.005	.088	.050	1.015	.056	1,800	7,010
WST-112	1.125	1.064	.088	.050	1.075	.056	1,990	7,420
WST-118	1.188	1.126	.088	.050	1.135	.056	2,270	7,370
WST-125	1.250	1.184	.093	.050	1.195	.056	2,470	8,250
WST-131	1.312	1.240	.098	.050	1.250	.056	2,880	8,660
WST-137	1.375	1.298	.103	.050	1.310	.056	3,210	9,070
WST-143	1.438	1.359	.103	.050	1.370	.056	3,460	9,490
WST-150	1.500	1.419	.103	.050	1.430	.056	3,710	9,900
WST-156	1.562	1.476	.113	.062	1.490	.068	3,980	12,780
WST-162	1.625	1.537	.118	.062	1.550	.068	4,370	13,290
WST-168	1.687	1.598	.118	.062	1.610	.068	4,650	13,800
WST-175	1.750	1.657	.118	.062	1.670	.068	4,950	14,320
WST-177	1.771	1.676	.123	.062	1.689	.068	5,130	14,490
WST-181	1.812	1.714	.123	.062	1.730	.068	5,250	14,820
WST-187	1.875	1.774	.123	.062	1.790	.068	5,700	15,340
WST-196	1.969	1.864	.123	.062	1.879	.068	6,260	16,110
WST-200	2.000	1.894	.128	.062	1.910	.068	6,360	16,360
WST-206	2.062	1.955	.141	.078	1.970	.086	6,710	21,220
WST-212	2.125	2.012	.141	.078	2.027	.086	7,360	21,870
WST-215	2.156	2.041	.141	.078	2.057	.086	7,620	22,190
WST-225	2.250	2.129	.141	.078	2.145	.086	8,430	23,160
WST-231	2.312	2.188	.141	.078	2.205	.086	8,830	23,800
WST-237	2.375	2.248	.141	.078	2.265	.086	9,230	24,440
WST-243	2.437	2.307	.141	.078	2.325	.086	9,650	25,080
WST-250	2.500	2.366	.188	.078	2.385	.086	10,250	25,730
WST-255	2.559	2.424	.188	.078	2.443	.086	10,490	26,340
WST-262	2.625	2.485	.188	.078	2.505	.086	11,130	27,020
WST-268	2.687	2.545	.188	.078	2.565	.086	11,590	27,660

<sup>1</sup> Add suffix "-S02" for 302 stainless steel, "-S16" for 316 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 134-135 for How to Order.

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>
WST-275	2.750	2.604	.188	.093	2.625	.103	12,250	32,140
WST-287	2.875	2.722	.188	.093	2.742	.103	13,620	33,600
WST-293	2.937	2.780	.188	.093	2.801	.103	14,120	34,320
WST-300	3.000	2.838	.188	.093	2.860	.103	14,840	35,060
WST-306	3.062	2.897	.188	.093	2.920	.103	15,370	35,790
WST-312	3.125	2.957	.188	.093	2.980	.103	16,130	36,520
WST-315	3.156	2.986	.188	.093	3.010	.103	16,290	36,880
WST-325	3.250	3.075	.188	.093	3.100	.103	17,230	37,980
WST-334	3.344	3.164	.188	.093	3.190	.103	18,200	39,080
WST-343	3.437	3.254	.188	.093	3.280	.103	19,190	40,170
WST-350	3.500	3.315	.250	.111	3.340	.120	19,790	48,820
WST-354	3.543	3.356	.250	.111	3.381	.120	20,290	49,420
WST-362	3.625	3.433	.250	.111	3.458	.120	21,520	50,560
WST-368	3.687	3.490	.250	.111	3.517	.120	22,150	51,430
WST-375	3.750	3.550	.250	.111	3.577	.120	23,060	52,310
WST-387	3.875	3.670	.250	.111	3.696	.120	24,650	54,050
WST-393	3.938	3.730	.250	.111	3.756	.120	25,330	54,930
WST-400	4.000	3.787	.250	.111	3.815	.120	26,300	55,800
WST-425	4.250	4.032	.250	.111	4.065	.120	27,940	59,280
WST-437	4.375	4.162	.250	.111	4.190	.120	28,760	61,030
WST-450	4.500	4.280	.250	.111	4.310	.120	30,220	62,770
WST-475	4.750	4.515	.250	.111	4.550	.120	33,580	66,260
WST-500	5.000	4.755	.250	.111	4.790	.120	37,110	69,740
WST-525	5.250	4.995	.375	.127	5.030	.139	40,820	83,790
WST-550	5.500	5.229	.375	.127	5.265	.139	45,880	87,780
WST-575	5.750	5.466	.375	.127	5.505	.139	49,990	91,770
WST-600	6.000	5.705	.375	.127	5.745	.139	54,290	95,760

<sup>1</sup> Add suffix "-S02" for 302 stainless steel, "-S16" for 316 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 134-135 for How to Order.

Rings listed below are three-turn construction.

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>
WST-625	6.250	5.942	.312	.165	5.985	.174	58,760	129,590
WST-650	6.500	6.182	.312	.165	6.225	.174	63,410	134,780
WST-675	6.750	6.420	.312	.165	6.465	.174	68,230	139,960
WST-700	7.000	6.658	.312	.165	6.705	.174	73,230	145,140
WST-725	7.250	6.894	.312	.165	6.942	.174	78,290	172,190
WST-750	7.500	7.130	.375	.189	7.180	.209	84,820	178,130
WST-775	7.750	7.368	.375	.189	7.420	.209	90,390	184,070
WST-800	8.000	7.607	.375	.189	7.660	.209	96,130	190,000
WST-825	8.250	7.845	.375	.189	7.900	.209	102,050	195,940
WST-850	8.500	8.083	.375	.189	8.140	.209	108,150	201,880
WST-875	8.750	8.321	.375	.189	8.383	.209	113,800	207,820
WST-900	9.000	8.560	.375	.189	8.620	.209	120,870	213,750
WST-925	9.250	8.798	.375	.189	8.860	.209	127,500	219,690
WST-950	9.500	9.036	.375	.189	9.100	.209	134,300	225,630
WST-975	9.750	9.273	.375	.189	9.338	.209	141,970	231,570
WST-1000	10.000	9.508	.375	.189	9.575	.209	150,560	237,500

<sup>1</sup> Add suffix "-S02" for 302 stainless steel, "-S16" for 316 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 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      |
| Белгород (4722)40-23-64     | Калининград (4012)72-03-81 | Нижний Новгород (831)429-08-12  | Санкт-Петербург (812)309-46-40 | Тюмень (3452)66-21-18    |
| Брянск (4832)59-03-52       | Калуга (4842)92-23-67      | Новокузнецк (3843)20-46-81      | Саратов (845)249-38-78         | Ульяновск (8422)24-23-59 |
| Владивосток (423)249-28-31  | Кемерово (3842)65-04-62    | Новосибирск (383)227-86-73      | Севастополь (8692)22-31-93     | Уфа (347)229-48-12       |
| 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      |                                 |                                |                          |

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