

BLAGOVEST BELLS SPECIFICATIONS 2020, ALL FOUNDRIES

Vera LLC, Voronezh



Cat. No.	Oct. No.	Hum tone	Bell Weight		Diam. At Lip	
			kg	lb	cm	in
1	3rd	~D	3.0	6.6	16.0	6.3
2	2nd	A-B	5.0	11.0	19.0	7.5
3	2nd	~A	7.0	15.4	22.2	8.7
4	2nd	~G	10.0	22.0	24.5	9.6
5	2nd	~F	15.0	33.0	27.5	10.8
6	2nd	~E	18.0	39.6	28.7	11.3
7	2nd	~D	24.5	54.0	32.4	12.8
8	2nd	~C	36.0	79.3	36.2	14.3
9*	1st	B	25.0	55.1	33.3	13.1
10	1st	A#	43.0	94.7	40.8	16.1
11	1st	G	60.0	132.2	45.7	18.0
12	1st	E	100.0	220.3	53.5	21.1
13	1st	D	150.0	330.4	61.5	24.2
14	1st	C#	170.0	374.4	63.7	25.1
15	1st	C	235.0	517.6	70.1	27.6
16	-1st	B	300.0	660.8	75.3	29.6
17	-1st	A	400.0	881.1	84.6	33.3
18	-1st	G	500.0	1,101	90.2	35.5
19	-1st	F	780.0	1,718	104	40.9
20	-1st	E	850.0	1,872	109	42.9
21	-1st	D	1,300.	2,863	124	48.8
22	-1st	C	1,850.	4,075	141	55.5
23	-2nd	B	2,000.	4,405	147	57.9
24	-2nd	A	3,000.	6,608	163	64.2

* This bell has a different, lighter profile.

Vera bells are made matted or polished, as requested. Every bell of 60kg and smaller is decorated with an icon medallion, while bells of 100 kg and larger (of up to 80 tons) – with custom icons and inscriptions.

Notes (all foundries):

- Bells are characterized here with their hum or under tones, which are about 1 octave lower than strike tones.
- Octaves are assigned here with their numbers in relation to the 1st or One-Line Octave which begins with the "Middle C" or "Do" or "C₄" note of 261.63 Hz, as it is defined by the Acoustical Society of America System. Positive numbers are for octaves above "Middle C", and negatives– for octaves under "Middle C".
- Weight of each bell is given as its nominal weight without clapper and decor, which are weighing (3.5-4.5)% and up to 9% of the nominal weight, respectively.
- The size of the bells is given with diameters of their outer bottom circles (D). The height of the bell (together with its crown) is ~1.1 D. The clapper goes below the bottom of the bell for ~0.15 D.
- All decorations are free unless new icon molds are requested.



Pyatkov & Co., Kamensk-Uralskij



No.	oct.	tone	kg	lb	cm	in
1	3rd	C - C#	6	13.2	19.5	7.7
2	2nd	A - A#	9	19.8	23.5	9.3
3	2nd	F - F#	15	33.0	27.5	10.8
4	2nd	D# - E	20	44.1	30.5	12.0
5	2nd	C - C#	36	79.3	37.5	14.8
6	1st	B	40	88.1	40.5	15.9
7	1st	G#	86	189.4	51.5	20.3
8	1st	F#	132	290.7	59.0	23.2
9	1st	F	156	343.6	63.0	24.8
10	1st	C#	326	718.1	82.0	32.3
11	-1st	G	660	1,454	103	40.6
12	-1st	E	1140	2,511	121	47.6
13	-1st	C#	2500	5,507	160	63.0
14	-1st	C	3000	6,608	170	66.9
15	-2nd	A#	4800	10,573	200	78.7

Pyatkov & Co. bells are made matted. Every bell of 90 kg and larger (of up to 18 tons) is decorated with custom icons and inscriptions.

Litex, Moscow



No.	oct.	tone	kg	lb	cm	in
1	3rd	E	4	8.8	18	7.1
2	3rd	D _b	6	13.2	20	8.0
3	2nd	B	8	17.6	22	8.7
4	2nd	A _b	12	26.4	27	10.6
5	2nd	E	18	39.6	30	11.8
6	2nd	D	29	63.9	35	13.7
7	2nd	D _b	35	77.1	37	14.5
8	1st	B	56	123	42	16.5
9	1st	A	80	176	48	18.9
10	1st	G _b	140	308	59	23.2
11	1st	E _b	270	595	72	28.3
12	-1st	A	450	991	91	35.9
13*	-1st	B _b	700	1,542	99	39.0
14	-1st	E	820	1,806	114	44.9
15*	-1st	F	1,280	2,819	126	49.6
16	-2nd	C	1,700	3,744	144	56.7
17	-2nd	B _b	2,000	4,405	156	61.4
18	-2nd	A _b	3,500	7,709	181	71.3
19	-2nd	G _b	4,500	9,912	197	77.6

Litex bells are made part-polished. Every bell is decorated with an icon medallion, while bells of 56 kg and larger (of up to 12 tons) – with custom icons and inscriptions. [*] Bells of heavier (Olovyanishnikov) profile.

