

• • , • • , • • , • • , • •

()

ASE Ultra S.

()

ASE Ultra S.

The paper deals with information about the authors' works on the improvement of the firearm sound suppressor design and optimization of the performance.

Designs of unified sound suppressors developed by the authors and the results of full-scale tests for reduction in the discharge noise level using these sound suppressors are presented. Results of comparative full-scale tests of sound suppressors developed by the authors and the ASE Ultra S-series sound suppressor are reported.

Data about the results of tests of the life of one of the basic sound suppressors, causes of its failure and precautions taken to improve the life of this sound suppressor under extreme operation conditions are provided. The basic characteristics of unified sound suppressors developed by the authors and data about the types of the host hand firearm are presented.

[1 – 5].

[6].

()

()

(,),

(5,45; 5,56 7,62).

[7].

:

—
—
—
—
—

)—

— 35
140), . . .

~ 32 – 36

(

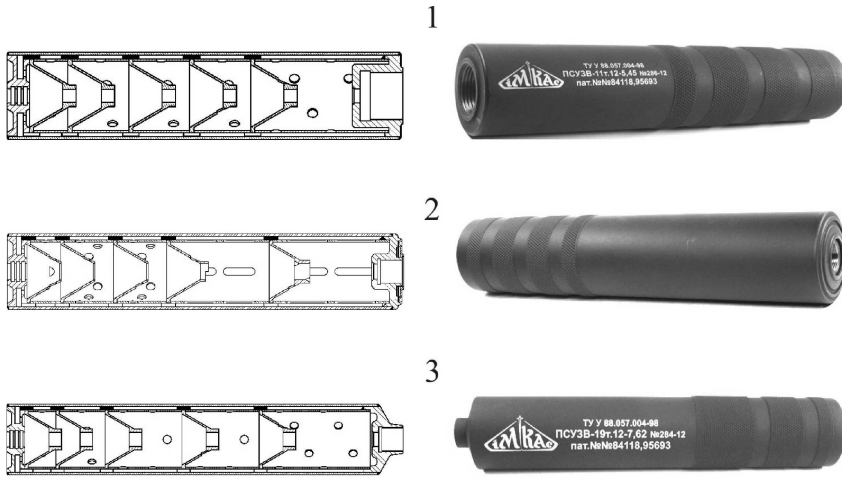
7,62 25
160 – 165 130 –
– 125 –

« » [1, 8].

[9], [10]
« » [11].

[12].

. 1.



. 1 -

: 1 - -11 .12-5,45; 2 - -12 .12-7,62; 3 -
-19 .12-7,62

-12 .12-7,62; -19 .12-7,62

« » ,
+7° .

-12 .12-7,62

7,62 .

- 14x1 .

: Ø43 , L=224 .

Ø8,5 .

9,0 .

9,0 .

Ø9,6 .

9,6 .

Ø2,5 .

Ø9,0 .

66 , 56 , 45 , 28 17 .

-19 .12-7,62 .

7,62 (.30-06). .

Blaser R93,

- 14x1 .

: Ø43 , L=231 .

Ø8,5 .

: 66 , 45 , 45 , 28 , 17 .

Ø5 .

Ø3 .

Ø9,0 .

« » . 2.

7,62

(~36)

-19 .12-7,62 (.1, .3).

-11 .12-5,45

-2° .

-74 (5,45).

– 24×1,5 .

: Ø43 , L=195

Ø7,0 .

: 66

28 , 28 , 28 , 17 .

Ø5,0

Ø7,0 .



Ø3,0 .

28 – 32 ,



. 2 –

« »

-11 .12-5,45.

5,45-

– -74.

– « » – 5,45

(5,45×39), . 1974 .

– « » – 5,45

7 1.

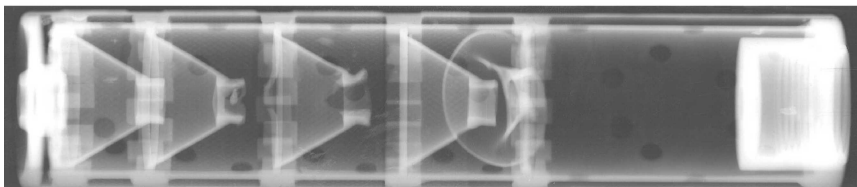
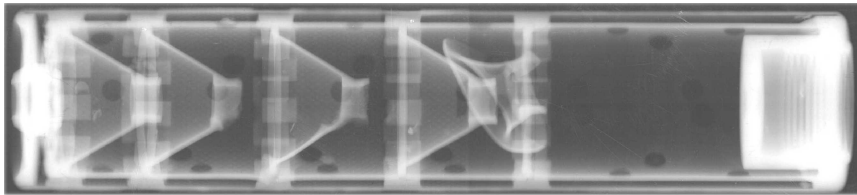
-74,

32,6 , -74 5,45 -11 .12-5,45
 -32,1 .

« » (-
)

35 .
 -250
 25 .
 -400 15 . -
 360 ()

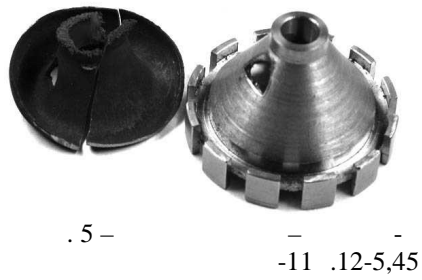
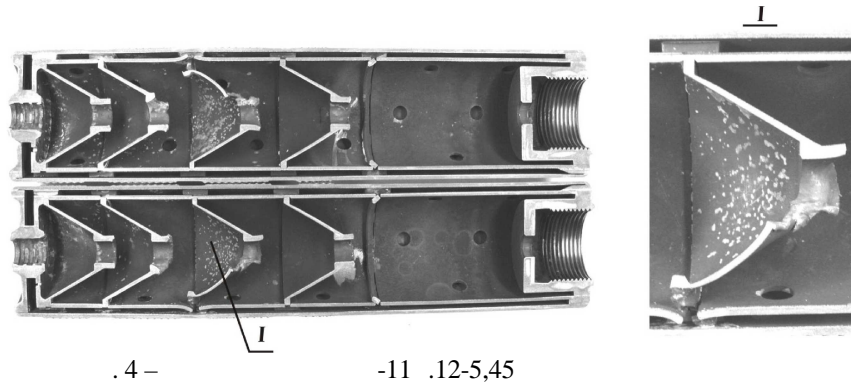
(.3).



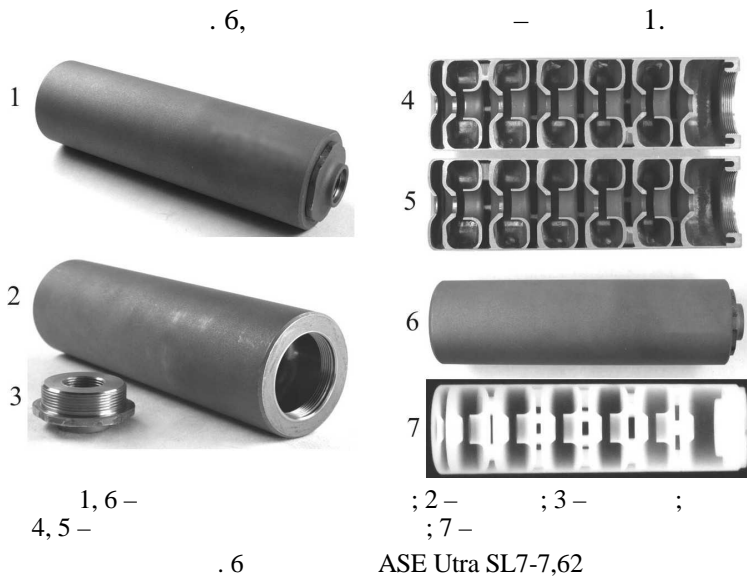
.3 - -11 .12-5,45

~45°.

(.4, - .5).



-12 .12-7,62, -19 .12-7,62
 ASE Ultra SL7-7,62 [13, 14].



1 –

ASE Ultra SL7-7,62

	.308 Win .338 Lapua Mag
,	780
,	45
,	166
,	156
,	800
1	32 35
,	2

ASE Ultra SL7-7,62

1 ASE Ultra SL7-7,62
 15%
 -
 - 5,45 - -11 .12-5,45;
 - 7,62 - -19 .12-7,62
 .3, - 2. . 1, .1
 2- -

	19 .12-7,62	11 .12-5,45
,	32 36	28 32
,	11	11
,	238	195
,	43,0	43,0
,	435 (750)	400 (690)
	14×1; 15×1; 16×1; 18×1; 9/16"-24; 14×1 ()	24×1,5; 18×1; 1/2"-284; 1/2'-20 14×1 ()
	()	()

- 7,62 – Blaser, Browning Bar, SAKO, Manlicher,
- 5,45 – -74, -74,
-16, Blaser, M4A1, SAKO,
1. 2008. – 303 .
 2. 2011. – 340 .
 3. *Paulson Alan C.* Silencer. History and Performance. Volume 1. Sporting and Tactical Silencer // *Alan C. Paulson.* – USA, Boulder, Colorado : Paladin Press, 1996. – 412 p.
 4. *Paulson Alan C.* Silencer. History and Performance. Volume 2. GQB, Assault Rifle and Sniper Technology // *Alan C. Paulson, N. R. Parker, Peter G. Kokalis.* – USA, Boulder, Colorado : Paladin Press, 2002. – 429 p.
 5. *Parker N. R.* Firearm Suppressor Patents, Volume 1, United States Patents / *N. R. Parker.* – USA, Boulder, Colorado : Paladin Press, 2004. – 373 p.
 6. (2008 – 2013 .). / . . . // . . . – 2013. – 4. – . 16 – 31.
 7. . . . : « . . . », 1976. – 279 .
 8. [. . .] – <http://guttierrez.3dn.ru/blog/Zilencers/> 2011 – 06 – 11 – 6.
 9. 97016, . . . F41 21/30 (2006.01); F41 17/00. 2010 00 488; . 23.04.2010; . 26.12.2011, . 24.
 10. // . . . – 2011. – 1. – . 86 – 98.
 11. 2013 10602, . . . F41 21/30 (2006.01). 02.03.2013.
 12. // . . . – 2013. – 1. – . 78 – 95.
 13. « . . . » // « . . . ». 2011. – 3. – . 51 – 55.
 14. [. . .] – <http://www.ibis.net.ua/ru/products/58/sortpro/130/index.html>

27.01.14,
07.02.14