



SPORTING ARMS AND AMMUNITION MANUFACTURERS' INSTITUTE, INC.
SINCE 1926

Shotshell Reference Ammunition Supplemental Information Tables

This is a supplemental set of tables to the SAAMI Product Codes and Supplier Information document.

For further information see *BSR/SAAMI Z299.2-2015 American National Standard Voluntary Industry Performance Standards for Pressure and Velocity of Shotshell Ammunition for the use of Commercial Manufacturers*



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Table 1 – Shot loads

Gauge / Bore	Length	Type	Shot Weight	Nominal Velocity	Shot Size	Supplier & Order Symbol		
						See SAAMI Reference Ammo Proof Load Ammo and Action Proving Dummy Supplier Product Codes Chart		
I. LEAD SHOT LOADS								
10 Gauge	3 1/2"	Field (F)	2 1/4 oz.	1,210 fps	4			
12-Gauge	2 3/4"	Field (F)	1 1/4 oz.	1,330 fps	6			
	3"	<i>USE 12-GAUGE – 2 3/4" INCH REFERENCE IN THIS GAUGE/LENGTH – ASSESSMENT FOR THIS BARREL</i>						
	3 1/2"	Magnum (M)	2 1/4 oz.	1,150 fps	4			
16 Gauge	2 3/4"	Field (F)	1 1/8 oz.	1,185 fps	6			
20 Gauge	2 3/4"	Field (F)	1 oz.	1,220 fps	6			
	3"	<i>USE 20-GAUGE – 2 3/4" INCH REFERENCE IN THIS GAUGE/LENGTH – ASSESSMENT FOR THIS BARREL</i>						
28 Gauge	2 3/4"	Skeet (S)	3/4 oz.	1,295 fps	9			
410 Bore	2 1/2"	<i>TESTED IN 410 BORE – 3 INCH CHAMBER TEST BARREL AND CORRECTED WITH 3" REFERENCE</i>						
	3"	Field (F)	1 1/16 oz.	1,135 fps	6			
II. NON-LEAD SHOT LOADS								
10 Gauge	3 1/2"	Steel (ST)	1 3/4 oz.	1,260 fps	BB			
12 Gauge	2 3/4"	<i>TESTED IN 12-GAUGE – 3 INCH CHAMBER TEST BARREL AND CORRECTED WITH 3" REFERENCE</i>						
	3"	Steel (ST)	1 1/4 oz.	1,375 fps	2			
	3 1/2"	Steel (ST)	1 9/16 oz.	1,300 fps	T			
16 Gauge	2 3/4"	Steel (ST)	1 5/16 oz.	1,300 fps	2			
20 Gauge	2 3/4"	<i>TESTED IN 20-GAUGE – 3 INCH CHAMBER TEST BARREL AND CORRECTED WITH 3" REFERENCE</i>						
	3"	Steel (ST)	1 oz.	1,330 fps	2			
28 Gauge	2 3/4"	Steel (ST)						
410 Bore	2 1/2"							
	3"							

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Table 2 – Slug loads

Gauge / Bore	Length	Slug Type	Slug Weight	Nominal Velocity		Supplier & Order Symbol		
				@ 3'	@ 15'	See SAAMI Reference Ammo Proof Load Ammo and Action Proving Dummy Supplier Product Codes Chart		
I. RIFLED SLUG LOADS								
10 Gauge	3 1/2"							
12 Gauge	2 3/4"	Rifled (RS)	1 1/8 oz.	fps	fps			
	3"	USE 12-GAUGE – 2 3/4" INCH REFERENCE IN THIS GAUGE/LENGTH – ASSESSMENT FOR THIS BARREL						
	3 1/2"							
16 Gauge	2 3/4"	Rifled (RS)	4/5 oz.	1,600 fps	1,540 fps			
20 Gauge	2 3/4"	Rifled (RS)	3/4 oz.	1,570 fps	1,540 fps			
	3"	USE 20-GAUGE – 2 3/4" INCH REFERENCE IN THIS GAUGE/LENGTH – ASSESSMENT FOR THIS BARREL						
28 Gauge	2 3/4"	Rifled (RS)	oz.	fps	fps			
410 Bore	2 1/2"	TESTED IN 410 BORE – 3 INCH CHAMBER TEST BARREL AND CORRECTED WITH 3" REFERENCE						
	3"	Rifled (RS)	1/4 oz.	1,830 fps	fps			
II. SABOTED SLUG LOADS								
10 Gauge	3 1/2"							
12 Gauge	2 3/4"	Saboted (SS)	1 1/8 oz.	1,345 fps	1,320 fps			
	3"	USE 12-GAUGE – 2 3/4" INCH REFERENCE IN THIS GAUGE/LENGTH – ASSESSMENT FOR THIS BARREL						
	3 1/2"							
16 Gauge	2 3/4"							
20 Gauge	2 3/4"	Saboted (SS)	5/8 oz.	1,600 fps	fps			
	3"	USE 20-GAUGE – 2 3/4" INCH REFERENCE IN THIS GAUGE/LENGTH – ASSESSMENT FOR THIS BARREL						
28 Gauge	2 3/4"							
410 Bore	2 1/2"							
	3"							



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REFERENCE ROUND APPLICATION

NOTE: At the time the following practice was adopted, existing inventories of previously-used reference rounds were still available from member companies. While obsolete under these recommendations, the continued use of these rounds is considered appropriate and valid for the assessment of ranges for velocity and pressure testing until those inventories are depleted.

Load Type:	LEAD SHOT	NON-LEAD SHOT	RIFLED SLUGS	SABOTED SLUGS
Test barrel:	Full choke	IC choke	Full choke	Rifled
Velocity Assessment(s):	Coils @ 3'	Coils @ 3' Screens @ 6'	Coils @ 3' Screens @ 15'	Coils @ 3' Screens @ 15'
10-ga. 3½"	10F	103.5ST		
12-ga. 2¾"	12F (<i>NOTE 1</i>)	(<i>NOTE 1</i>)	12RS (<i>NOTE 1</i>)	12SS (<i>NOTE 1</i>)
12-ga. 3"	12F (<i>NOTE 1</i>)	123MST (<i>NOTE 1</i>)	12RS (<i>NOTE 1</i>)	12SS (<i>NOTE 1</i>)
12-ga. 3½"	123.5M	123.5ST		
16-ga. 2¾"	16F	16ST	16RS	
20-ga. 2¾"	20F (<i>NOTE 1</i>)	(<i>NOTE 1</i>)	20RS (<i>NOTE 1</i>)	20SS (<i>NOTE 1</i>)
20-ga. 3"	20F	203ST	20RS (<i>NOTE 1</i>)	20SS
28-ga. 2¾"	28S		28RS	
410 bore 2½"	<i>NOTE 2</i>			
410 bore 3"	413F		413RS	

NOTES:

1. All 12- and 20-ga. 2¾" and 3" loads are tested in 3" chamber test barrels, and corrected with the applicable SAAMI reference rounds. For 2¾" lead shot, rifled slug, and sabotated slug loads use of a 2¾" chamber test barrel is optional. (For non-lead shot, only the use of a 3" chamber test barrel is recognized.) Reference round assessment firings are made in 3" chamber test barrels. No adjustment or correction is applied to the assessment values when using these rounds in 2¾" chamber test barrels.
2. All types of 410-bore 2½" rounds are tested in a 3" chamber test barrel of the appropriate choke/bore treatment for the type of payload under test.