METALLIC COMPARE DETAIL

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.400 JEFFERY NE 450/400 3-INCH

PRINTABLE VERSION (/METALLIC/METALLICPRINTABLE?ID=1658)

Warning! **Historical Notes:** This cartridge was designed by Jeffery in 1902. According to Pondoro Taylor, the short case was brought out because the longer blackpowder cartridge had a tendency to stick in the chamber after firing. Overall length is shorter, but the shoulder is farther forward. The 400 Jeffery was designed exclusively for Cordite; it was never available with black. As with the 3 1/4-inch version, this was very popular before the 375 H&H Magnum appeared. It is still one of the most effective all-round cartridges for Africa. (Cartridges of the World 9th Edition)

Be Alert: Publisher cannot be responsible for errors in published load data.

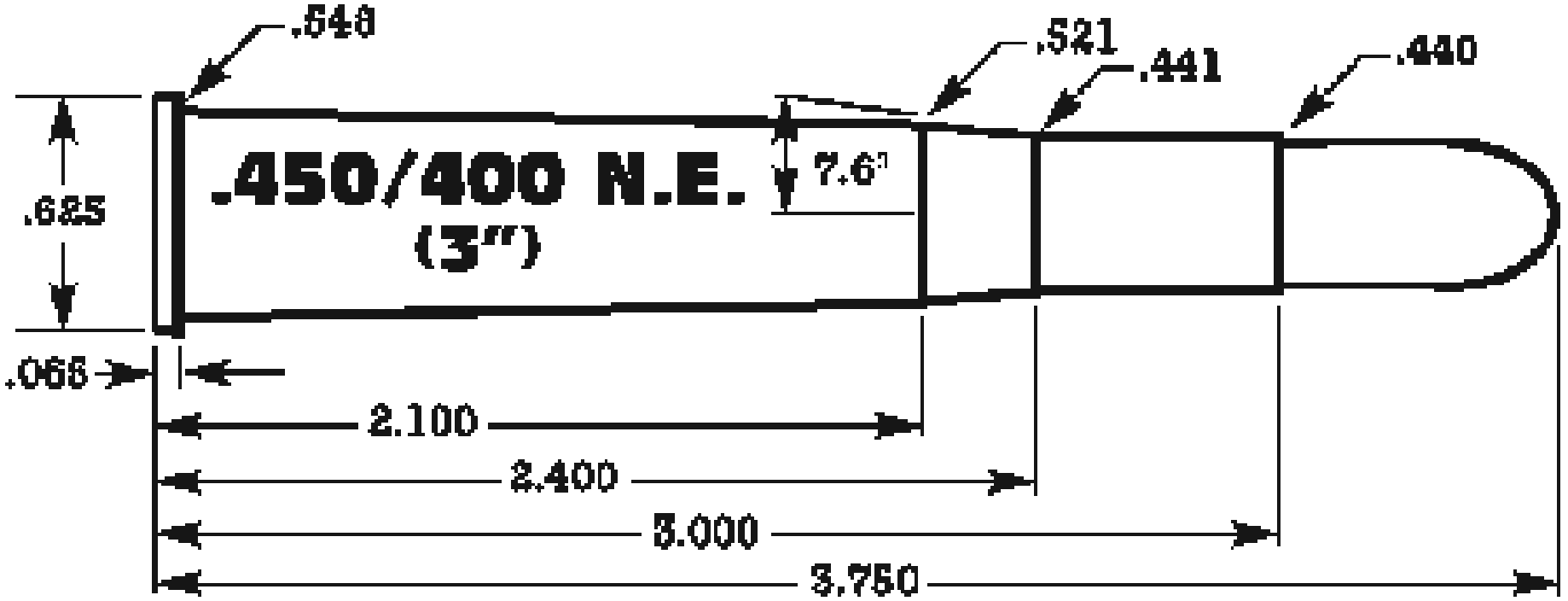
Wt.	Bullet	Powder Manufacturer	Powder	Charge	Velocity (FPS)	Favorite?

400	SP	Cordite	60.0	2,100	☐

Remarks: energy: 3,920; loads using 55.0 or 57.0 grains of Cordite were offered for use in extremely hot climates. A 300-grain loading was also offered. It was not particularly popular.

.450/400 NITRO EXPRESS / .450/400 N.E. 3 INCH (BARNES RELOADING MANUAL #3)

PRINTABLE VERSION (/METALLIC/METALLICPRINTABLE?ID=2284)



Warning! **Notes:** case: Rigby; parent case: .450 Nitro Express; primer: Federal GM 215M; trim to: 2.990"; barrel: 28"; XLC Coated X-Bullet data cannot be used with other bullets, including non-coated X-Bullets; maximum loads should be used with caution - Always Start With Minimum Loads

Be Alert: Publisher cannot be responsible for errors in published load data.

Wt.	Bullet	Powder Manufacturer	Powder	Charge	Velocity (FPS)	Favorite?

400	Barnes XLC FB or RN Coated Solid	Alliant	RL-15	68.0	2,050	☐

Remarks:

400	Barnes XLC FB or RN Coated Solid	Alliant	RL-15	73.0	2,150	☐

Remarks: maximum load

400	Barnes XLC FB or RN Coated Solid	Hodgdon	H-1000	85.0	2,050	☐

Remarks:

400	Barnes XLC FB or RN Coated Solid	Hodgdon	H-1000	88.5	2,150	☐

Remarks: maximum load

.450/400 NITRO EXPRESS / .450/400 N.E. 3 INCH (BARNES RELOADING MANUAL #4)

PRINTABLE VERSION (/METALLIC/METALLICPRINTABLE?ID=4677)

Warning! **Notes:** case: Hornady; case trim length: 2.990"; twist rate: 1:16"; primer: Fed GM215M; barrel length: 25"; barrel: PacNor; COAL: 3.735"; maximum loads should be used with caution; NOTE: Recommend crimping the case mouth into the front cannelure groove. CIP specs for this cartridge call for a bore diameter of 0.400" and a groove diameter of 0.410". Many older .450/400 rifles have varying bore and groove diameters. Barnes' loading data is recommended only for modern firearms in good condition that are built to current specs. If in doubt, have a competent gunsmith evaluate the firearm before using these loads.

Be Alert: Publisher cannot be responsible for errors in published load data.

Wt.	Bullet	Powder Manufacturer	Powder	Charge	Velocity (FPS)	Favorite?
400	Barnes Banded Solid	Vihtavuori	VV-N160	71.0	1964	☐

Remarks: minimum; most accurate load

400	Barnes Banded Solid	IMR	IMR-4350	68.0	1851	☐

Remarks: minimum

400	Barnes Banded Solid	Vihtavuori	VV-N160	77.0	2080	☐

Remarks: maximum; most accurate load

400	Barnes Banded Solid	IMR	IMR-4350	74.0	2048	☐

Remarks: maximum

400	Barnes Banded Solid	Hodgdon	H-4350	67.0	1899	☐

Remarks: minimum

400	Barnes Banded Solid	Hodgdon	H-4350	73.0	2066	☐

Remarks: maximum

400	Barnes Banded Solid	Alliant	RL-19	73.0	1837	☐

Remarks: minimum

400	Barnes Banded Solid	Alliant	RL-19	79.0	1999	☐

Remarks: maximum

400	Barnes Banded Solid	IMR	IMR-4831	70.5	1853	☐

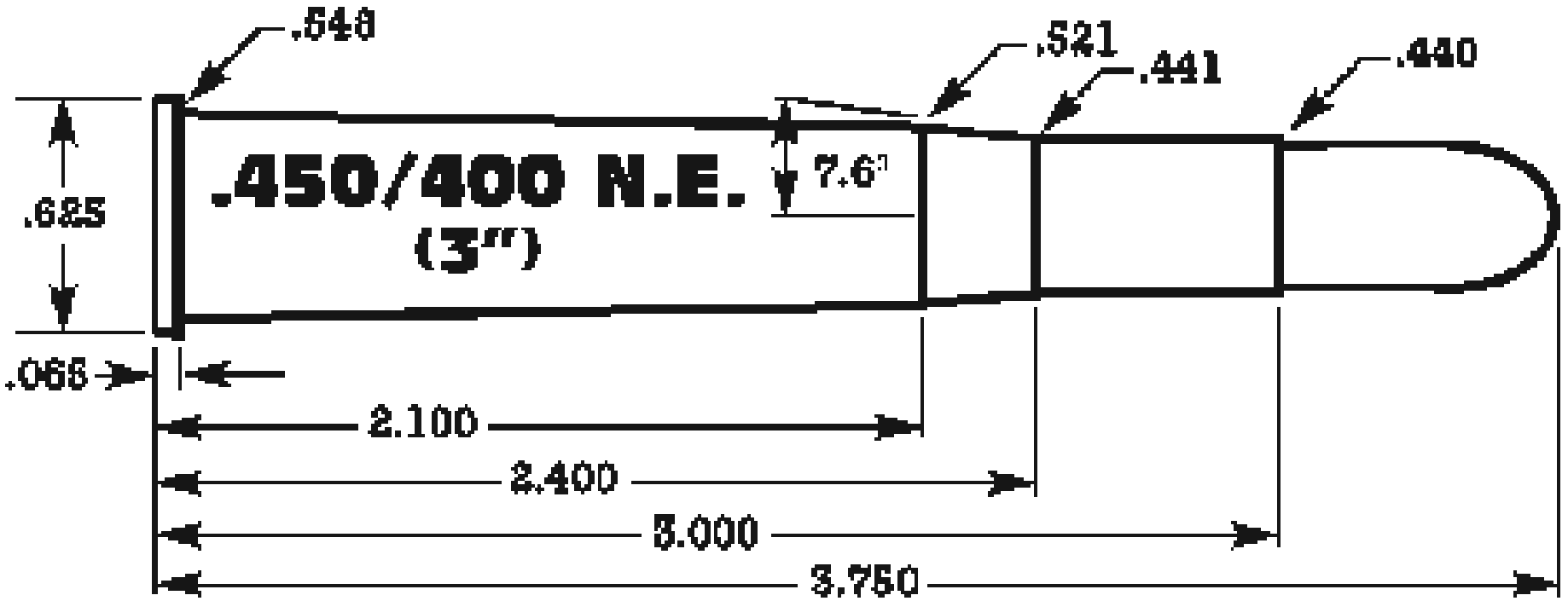
Remarks: minimum

400	Barnes Banded Solid	IMR	IMR-4831	76.5	2047	☐

Remarks: maximum

.450/400 NITRO EXPRESS / .450/400 N.E. 3 INCH (A-SQUARE DATA)

PRINTABLE VERSION (/METALLIC/METALLICPRINTABLE?ID=4798)



Warning! **Notes:** cartridge case: A-Square; primers: CCI-250; trim to length: 2.990"; bullet diameter: .409"; expected velocity level (26" barrel): 2150 fps; pressure measured by: Piezo Transducer; NOTE: The two versions of the .450/.400, the 3-inch and the 3 1/4-inch, are not interchangeable, although in power they are indistinguishable. The .450/.400 N.E. (3"), also called the .400 Jeffery, was developed by Jeffery around 1896. (Any Shot You Want/A-Square)

Be Alert: Publisher cannot be responsible for errors in published load data.

Wt.	Bullet	Powder Manufacturer	Powder	Charge	Velocity (FPS)	Favorite?
400	A-Square Dead Tough	Hodgdon	H-4831	84.0	2080	☐

Remarks: 29,900 psi

400	A-Square Dead Tough	Hodgdon	H-4831	87.0	2187	☐

Remarks: 35,300 psi

400	A-Square Dead Tough	IMR	IMR-4831	81.0	2057	☐

Remarks: 29,300 psi

400	A-Square Dead Tough	IMR	IMR-4831	85.0	2190	☐

Remarks: 34,400 psi

400	A-Square Dead Tough	Alliant	RL-22	83.0	2047	☐

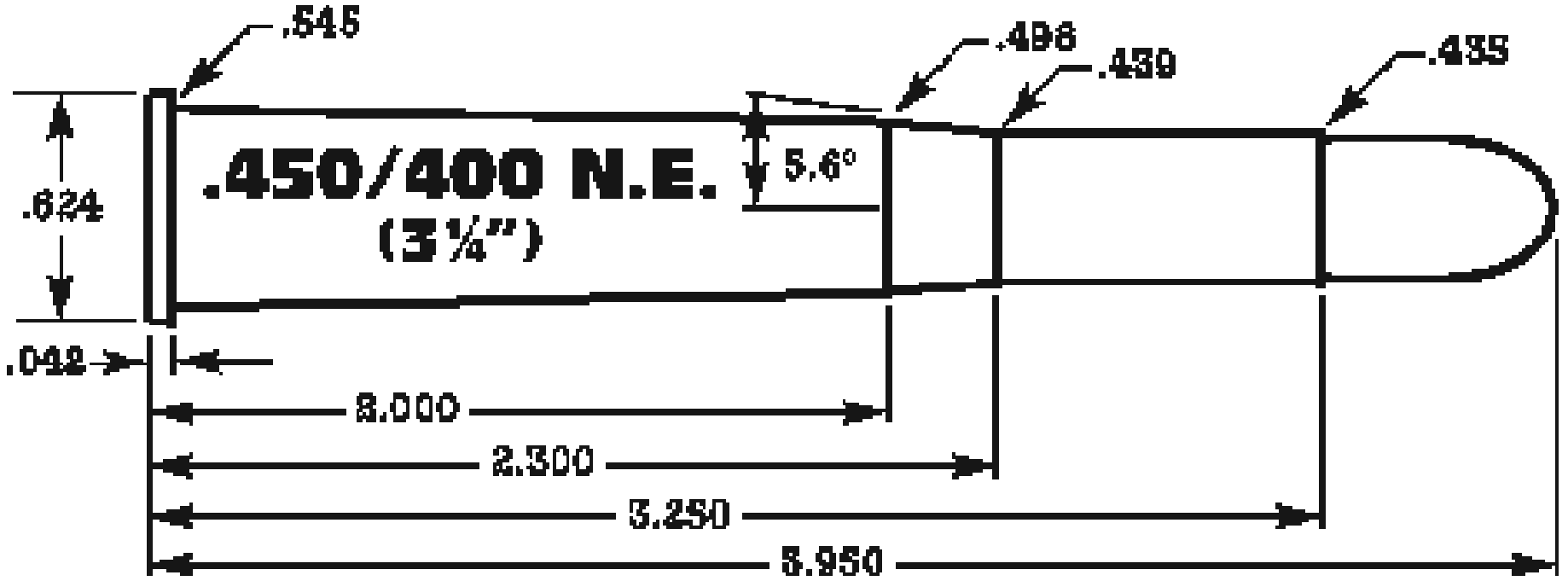
Remarks: 30,100 psi

400	A-Square Dead Tough	Alliant	RL-22	87.0	2172	☐

Remarks: 34,200 psi

.450/400 NITRO EXPRESS / .450/400 N.E. 3 1/4-INCH (A-SQUARE DATA)

PRINTABLE VERSION (/METALLIC/METALLICPRINTABLE?ID=4799)



Warning! **Notes:** cartridge case: A-Square; primers: CCI-250; trim to length: 3.240"; bullet diameter: .409"; expected velocity level (26" barrel): 2150 fps; pressure measured by: Piezo Transducer; NOTE: The full name for this cartridge is the .450/.400 Magnum Nitro Express (3 1/4-inch). Although it is not well known today, the .450/.400 N.E. (3 1/4-inch), and its slightly shorter brother, the .450/.400 N.E. (3-inch) were, in their day, highly regarded in both India and Africa for use on dangerous game. Ballistically, the two are identical, and anything you say about the performance of one applies equally to the other (see .450/400 N.E. 3-Inch), but they are **NOT** interchangeable. (Any Shot You Want/A-Square)

Be Alert: Publisher cannot be responsible for errors in published load data.

Wt.	Bullet	Powder Manufacturer	Powder	Charge	Velocity (FPS)	Favorite?
400	A-Square Dead Tough	Hodgdon	H-4831	80.0	2087	☐
Remarks: 32,900 psi						
400	A-Square Dead Tough	Hodgdon	H-4831	82.0	2103	☐
Remarks: 31,400 psi						

400	A-Square Dead Tough	Hodgdon	H-4831	84.0	2189	☐

Remarks: 36,800 psi

400	A-Square Dead Tough	IMR	IMR-4831	77.0	2022	☐

Remarks: 28,800 psi

400	A-Square Dead Tough	IMR	IMR-4831	79.0	2098	☐

Remarks: 31,200 psi

400	A-Square Dead Tough	IMR	IMR-4831	81.0	2177	☐

Remarks: 36,600 psi

400	A-Square Dead Tough	Alliant	RL-22	79.0	2019	☐

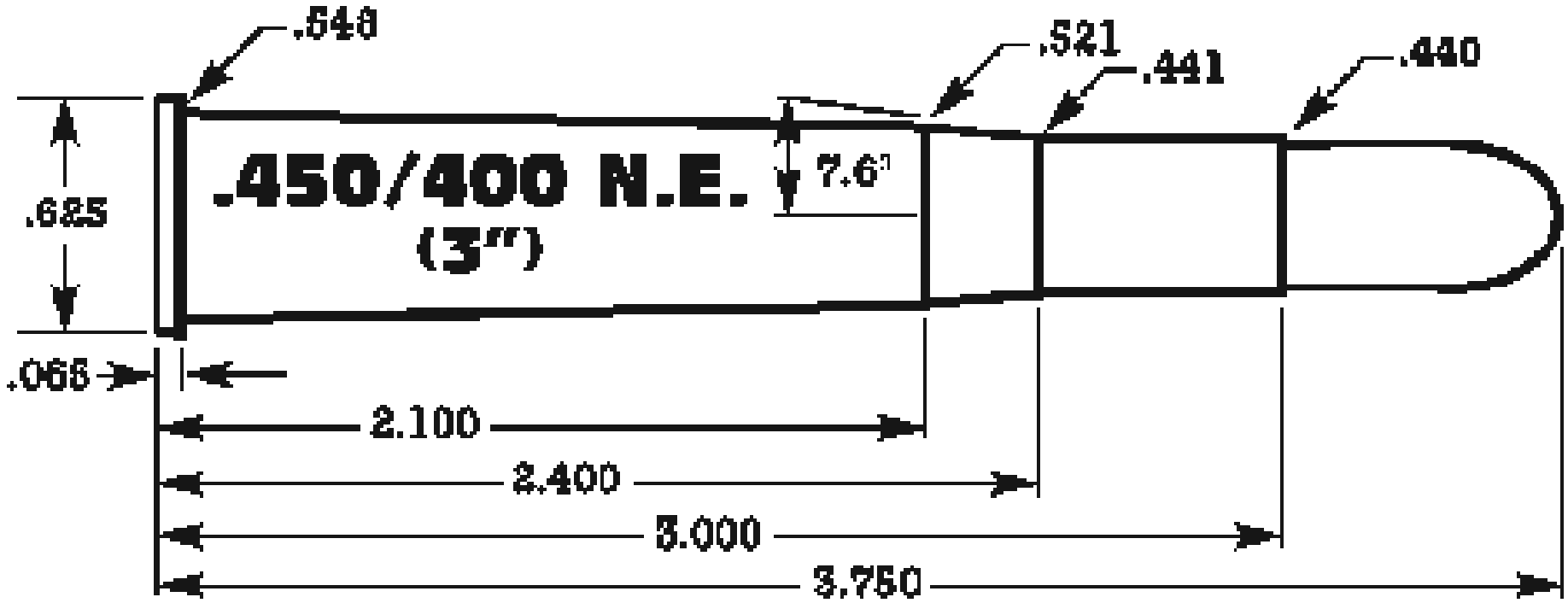
Remarks: 30,000 psi

400	A-Square Dead Tough	Alliant	RL-22	83.0	2124	☐

Remarks: 35,000 psi

.450/400 NITRO EXPRESS / .450/400 N.E. 3 INCH (USING HORNADY BULLETS)

PRINTABLE VERSION (/METALLIC/METALLICPRINTABLE?ID=7740)



Warning! **Notes:** This data was shot by Brian Pearce, Wolfe Publishing Company. Gun: Ruger No. 1; barrel length: 24 inches (1-in-14); case: Hornady; primer: Federal 215 Large Rifle Magnum; bullet diameter: .410"; 400 GR Hornady DGX COAL: 3.685"; 400 GR Hornady DGS COAL: 3.645"; maximum COAL: 3.735"; maximum case length: 2.990"; trim to length: 2.980".

To view the special notes click here (//www.loaddata.com/Article/LabNotes/Notes-from-the-Lab-450400-Nitro-Express-3-Inch-using-Hornady-bullets/422).

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Wt.	Bullet	Powder Manufacturer	Powder	Charge	Velocity (FPS)	Favorite?
400	Hornady DGX or DGS	Alliant	RL-15	53.7	1635	☐
Remarks:						
400	Hornady DGX or DGS	Alliant	RL-15	57.8	1721	☐
Remarks:						

400	Hornady DGX or DGS	Alliant	RL-15	61.9	1834	☐

Remarks:

400	Hornady DGX or DGS	Alliant	RL-15	64.0	1922	☐

Remarks: maximum load

400	Hornady DGX or DGS	Hodgdon	H-4350	62.2	1596	☐

Remarks:

400	Hornady DGX or DGS	Hodgdon	H-4350	65.9	1673	☐

Remarks:

400	Hornady DGX or DGS	Hodgdon	H-4350	69.2	1774	☐

Remarks:

400	Hornady DGX or DGS	Hodgdon	H-4350	70.9	1852	☐

Remarks: maximum load

400	Hornady DGX or DGS	IMR	IMR-4831	67.7	1710	☐

Remarks:

400	Hornady DGX or DGS	IMR	IMR-4831	71.9	1799	☐

Remarks:

400	Hornady DGX or DGS	IMR	IMR-4831	76.2	1918	☐

Remarks:

400	Hornady DGX or DGS	IMR	IMR-4831	78.3	2009	☐

Remarks:

400	Hornady DGX or DGS	IMR	IMR-4831	80.0	2080	☐

Remarks: maximum load; factory load duplication

400	Hornady DGX or DGS	Alliant	RL-19	73.5	1817	☐

Remarks:

400	Hornady DGX or DGS	Alliant	RL-19	76.8	1872	☐

Remarks:

400	Hornady DGX or DGS	Alliant	RL-19	80.1	1939	☐

Remarks:

400	Hornady DGX or DGS	Alliant	RL-19	81.8	2006	☐

Remarks:

400	Hornady DGX or DGS	Alliant	RL-19	83.4	2064	☐

Remarks: maximum load; factory load duplication

400	Hornady DGX or DGS	Norma	MRP	71.9	1771	☐

Remarks:

400	Hornady DGX or DGS	Norma	MRP	76.0	1850	☐

Remarks:

400	Hornady DGX or DGS	Norma	MRP	80.0	1945	☐

Remarks:

400	Hornady DGX or DGS	Norma	MRP	82.0	2040	☐

Remarks:

400	Hornady DGX or DGS	Norma	MRP	84.0	2119	☐

Remarks: maximum load

400	Hornady DGX or DGS	Hodgdon	H-4831	69.3	1672	☐

Remarks:

400	Hornady DGX or DGS	Hodgdon	H-4831	74.5	1786	☐

Remarks:

400	Hornady DGX or DGS	Hodgdon	H-4831	79.7	1936	☐

Remarks:

400	Hornady DGX or DGS	Hodgdon	H-4831	82.3	2052	☐

Remarks:

400	Hornady DGX or DGS	Hodgdon	H-4831	83.0	2071	☐

Remarks: maximum load; factory load duplication

400	Hornady DGX or DGS	IMR	IMR-7828	73.9	1649	☐

Remarks:

400	Hornady DGX or DGS	IMR	IMR-7828	77.4	1734	☐

Remarks:

400	Hornady DGX or DGS	IMR	IMR-7828	80.9	1849	☐

Remarks:

400	Hornady DGX or DGS	IMR	IMR-7828	82.6	1934	☐

Remarks:

400	Hornady DGX or DGS	IMR	IMR-7828	84.5	2079	☐

Remarks: maximum load; factory load duplication

400	Hornady DGX or DGS	Vihtavuori	VV-N165	75.2	1823	☐

Remarks:

400	Hornady DGX or DGS	Vihtavuori	VV-N165	79.1	1881	☐

Remarks:

400	Hornady DGX or DGS	Vihtavuori	VV-N165	83.0	1942	☐

Remarks:

400	Hornady DGX or DGS	Vihtavuori	VV-N165	85.0	2006	☐

Remarks:

400	Hornady DGX or DGS	Vihtavuori	VV-N165	87.0	2073	☐

Remarks: factory load duplication

400	Hornady DGX or DGS	Vihtavuori	VV-N165	88.9	2130	☐

Remarks: maximum load

400	Hornady DGX or DGS	Hodgdon	H-1000	78.2	1674	☐

Remarks:

400	Hornady DGX or DGS	Hodgdon	H-1000	82.0	1772	☐

Remarks:

400	Hornady DGX or DGS	Hodgdon	H-1000	85.9	1900	☐

Remarks:

400	Hornady DGX or DGS	Hodgdon	H-1000	87.8	1998	☐

Remarks:

400	Hornady DGX or DGS	Hodgdon	H-1000	89.3	2069	☐

Remarks: maximum load; factory load duplication