

240 WEATHERBY MAGNUM

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1 x 8"

Components:

Case: Norma

Trim-to Length: 2.490"

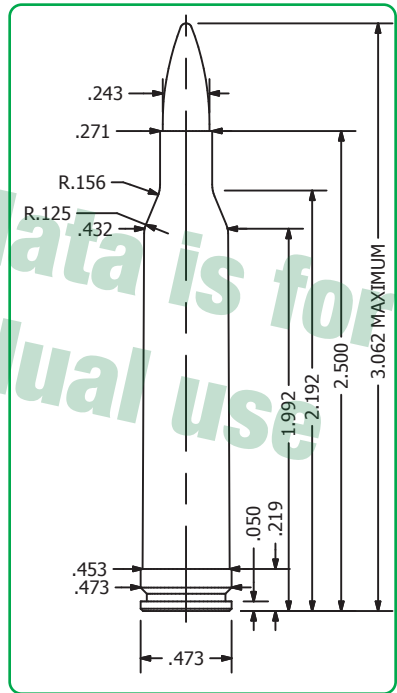
Primer: WLRM

Remarks:




The 240 Weatherby Magnum was introduced by Roy Weatherby in 1968, and in terms of performance is essentially a belted version of the 6mm/06 wildcat. While similar to the Holland & Holland 240 Belted Rimless Nitro Express, the Weatherby offering is loaded to considerably higher velocities than its English cousin. As is generally the case, the Weatherby produces the highest velocity of any commercially available 6mm cartridge. In fact, very few wildcats exceed the Weatherby's velocity levels by any appreciable degree.

Chambered in the Weatherby Mark V rifle, the 240 is ideally suited to smaller big game, such as antelope and deer. This is especially true for those species commonly taken at long range. For this type of application, the heavier bullets of 85 to 100 grains will give the best results. As a varmint round, few cartridges can match the flat trajectory and hard hitting punch of the big Weatherby. Many varmint shooters, however, will find the 240 to be a bit too much of a good thing for extended shooting sessions.

Reloading for the 240 Weatherby is similar to any other belted cartridge. Dies are best adjusted to headspace the case off the shoulder, rather than the belt. This will increase case life and improve accuracy. Like most Weatherby rifles, the 240 has considerable freebore and shoots best when bullets are seated out as close to the rifling as possible. Due to the high expansion ratio, propellant selection in the 240 is limited to the slower burning powders. This is especially true in heavier bullet weights. Like almost all large capacity, smallbore cartridges, the 240 has the potential for burning out barrels rather quickly. Prudent shooting techniques, such as avoiding any type of rapid firing that overheats the barrel, will help extend barrel life considerably.






240 WEATHERBY MAGNUM

| | Bullet | Caliber | Weight | Type | C.O.A.L. | | | | |
|--|----------|-------------|--------------|----------------|-------------|-------------|-------------|-------------|--|
|  | #1505 | .243" | 70gr. | HPBT Match | 3.140" | | | | |
|  | #1507 | .243" | 70gr. | BlitzKing | 3.062" | | | | |
|  | #1510 | .243" | 75gr. | HP | 3.062" | | | | |
| Powder | Velocity | 3100 | 3200 | 3300 | 3400 | 3500 | 3550 | 3600 | |
| N540 | | | 42.3 | 44.5 | 46.1 | 47.0 | | | |
| IMR 4451 End. | | 47.1 | 48.6 | 50.0 | 51.3 | 52.4 | | | |
| H4350 | | | | 48.5 | 50.5 | 52.0 | 52.5 | | |
| RE 16 | | | 46.6 | 48.3 | 49.9 | 51.3 | 51.9 | 52.6 | |
| RE 17 | | | 46.1 | 46.9 | 48.0 | 49.5 | 50.4 | 51.4 | |
| Hybrid 100V | | | | 48.0 | 49.7 | 51.3 | 52.0 | | |
| Energy Ft. Lbs | | 1493 | 1591 | 1692 | 1796 | 1904 | 1958 | 2014 | |
| Special Load | Powder | Grains | Velocity fps | Energy Ft. lbs | | | | | |
| Accuracy Load | RE 16 | 52.6 | 3600 | 2014 | | | | | |
| Hunting Load | RE 16 | 52.6 | 3600 | 2014 | | | | | |





Do not edit or redistribute.

240 WEATHERBY MAGNUM



| | Bullet | Caliber | Weight | Type | C.O.A.L. | | | | |
|---|----------|-------------|--------------|----------------|-------------|-------------|-------------|-------------|--|
|  | #1515 | .243" | 80gr. | SBT Blitz | 3.062" | | | | |
|  | #1520 | .243" | 85gr. | SPT | 3.062" | | | | |
|  | #1530 | .243" | 85gr. | HPBT | 3.062" | | | | |
| Powder | Velocity | 2900 | 3000 | 3100 | 3200 | 3300 | 3350 | 3400 | |
| N540 | 37.6 | 39.7 | 41.5 | 43.3 | 44.8 | | | | |
| IMR 4451 End. | 43.5 | 45.2 | 46.8 | 48.4 | 50.0 | | | | |
| H4350 | | 43.4 | 45.2 | 47.0 | 48.8 | 49.6 | | | |
| RE 16 | | | 45.6 | 47.7 | 49.5 | 50.3 | 51.0 | | |
| RE 17 | | 43.0 | 44.3 | 45.8 | 47.4 | 48.2 | 49.1 | | |
| Hybrid 100V | | 43.6 | 45.5 | 47.4 | 49.1 | 50.0 | 50.7 | | |
| N560 | 48.8 | 50.5 | 52.0 | 53.5 | 54.8 | 55.4 | 56.0 | | |
| Energy Ft. Lbs | | 1494 | 1598 | 1707 | 1819 | 1934 | 1993 | 2053 | |
| Special Load | Powder | Grains | Velocity fps | Energy Ft. lbs | | | | | |
| Accuracy Load | N560 | 56.0 | 3400 | 2053 | | | | | |
| Hunting Load | RE 17 | 49.1 | 3400 | 2053 | | | | | |

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240 WEATHERBY MAGNUM

| Bullet | Caliber | Weight | Type | C.O.A.L. | | | | |
|--|----------|-------------|------------------|----------------|-------------|-------------|-------------|-------------|
|  | #1535 | .243" | 90gr. FMJBT | 3.062" | | | | |
|  | #4100 | .243" | 90gr. TKG | 3.170"* | | | | |
|  | #1537 | .243" | 95gr. HPBT Match | 3.375"* | | | | |
|  | #7295 | .243" | 95gr. TMK Match | 3.350"* | | | | |
| *requires a 1x9" or faster twist | | | | | | | | |
| Powder | Velocity | 2800 | 2900 | 3000 | 3100 | 3200 | 3250 | 3300 |
| N540 | | 38.6 | 40.7 | 42.2 | | | | |
| IMR 4451 End. | | 43.4 | 45.1 | 46.8 | 48.3 | 49.0 | | |
| H4350 | | 42.4 | 44.1 | 45.6 | 47.1 | 47.8 | | |
| RE 16 | | | 43.8 | 45.9 | 47.7 | 48.6 | 49.4 | |
| RE 17 | | | 42.6 | 44.0 | 45.7 | 46.6 | 47.6 | |
| Hybrid 100V | | | 43.8 | 45.7 | 47.4 | 48.2 | | |
| RE 19 | | | 47.0 | 49.3 | 51.1 | 51.9 | 52.5 | |
| H4831sc | | 46.4 | 48.1 | 49.9 | 51.7 | 52.6 | | |
| IMR 4955 End. | | | 44.6 | 46.3 | 48.0 | | | |
| N560 | 47.4 | 49.1 | 50.6 | 52.1 | 53.5 | 54.1 | 54.8 | |
| N565 | | 51.2 | 52.7 | 54.2 | 55.6 | 56.2 | 56.9 | |
| RE 23 | | | 46.7 | 48.6 | 50.3 | 51.1 | 51.9 | |
| IMR 7828 | | | 49.7 | 51.5 | 53.0 | 53.7 | 54.4 | |
| RE 25 | | | 50.5 | 52.4 | 54.2 | 54.9 | 55.7 | |
| H1000 | | | 50.0 | 51.9 | 53.8 | 54.8 | 55.8 | |
| Retumbo | | | 50.7 | 52.6 | 54.3 | 55.2 | 55.9 | |
| Energy Ft. Lbs | | 1566 | 1680 | 1798 | 1920 | 2046 | 2110 | 2176 |
| Special Load | Powder | Grains | Velocity fps | Energy Ft. lbs | | | | |
| Accuracy Load | N560 | 54.8 | 3300 | 2176 | | | | |
| Hunting Load | RE 16 | 49.4 | 3300 | 2176 | | | | |
| <i>Sierra does not recommend MatchKing bullets for hunting applications.</i> | | | | | | | | |


240 WEATHERBY MAGNUM

| Bullet | | Caliber | Weight | Type | C.O.A.L. | | | | |
|---|----------|-------------|--------------|----------------|-------------|-------------|-------------|-------------|--|
|  | #1540 | .243" | 100gr. | SPT | 3.062" | | | | |
|  | #1560 | .243" | 100gr. | SBT | 3.062" | | | | |
| Powder | Velocity | 2700 | 2800 | 2900 | 2950 | 3000 | 3050 | 3100 | |
| N540 | | 36.7 | 38.7 | 40.6 | 41.6 | 42.7 | | | |
| IMR 4451 End. | | | 42.6 | 44.4 | 45.3 | 46.3 | 47.2 | | |
| H4350 | | | | 42.0 | 43.2 | 44.4 | 45.6 | | |
| RE 16 | | | | 43.2 | 44.2 | 45.3 | 46.3 | | |
| RE 17 | | | | 42.4 | 43.3 | 44.3 | 45.1 | 46.0 | |
| Hybrid 100V | | | 41.5 | 43.8 | 44.8 | 45.7 | 46.6 | | |
| RE 19 | | | | | 46.9 | 48.1 | 49.2 | 50.3 | |
| H4831sc | | | | 46.1 | 47.2 | 48.3 | 49.5 | 50.7 | |
| IMR 4955 End. | | | 43.4 | 45.3 | 46.1 | 47.0 | | | |
| N560 | | | 47.5 | 49.3 | 50.2 | 51.0 | 51.8 | 52.5 | |
| N565 | | | | 51.1 | 52.0 | 52.8 | 53.6 | 54.3 | |
| RE 23 | | | | 45.4 | 46.4 | 47.4 | 48.4 | 49.4 | |
| IMR 7828 | | | | 48.6 | 49.7 | 50.6 | 51.6 | 52.4 | |
| RE 25 | | | | 48.6 | 50.2 | 51.6 | 52.7 | 53.7 | |
| H1000 | | | | 48.4 | 49.8 | 51.0 | 52.2 | 53.2 | |
| Retumbo | | | | 49.4 | 50.6 | 51.7 | 52.7 | 53.6 | |
| IMR 8133 | | | | 52.6 | 53.8 | 54.8 | 55.6 | | |
| Energy Ft. Lbs | | 1618 | 1741 | 1867 | 1932 | 1998 | 2065 | 2133 | |
| Special Load | Powder | Grains | Velocity fps | Energy Ft. lbs | | | | | |
| Accuracy Load | RE 17 | 49.1 | 3400 | 2053 | | | | | |
| Hunting Load | RE 16 | 51.0 | 3400 | 2053 | | | | | |

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| Bullet | | Caliber | Weight | Type | C.O.A.L. | | | |
|--|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|  | #1570 | .243" | 107gr. | HPBT Match | 3.350"* | | | |
| *requires a 1x8" or faster twist | | | | | | | | |
| Powder | Velocity | 2750 | 2850 | 2900 | 2950 | 3000 | 3050 | 3100 |
| H4350 | | | 41.1 | 42.1 | 43.1 | | | |
| Hybrid 100V | 39.6 | 41.6 | 42.6 | 43.5 | 44.4 | | | |
| RE 19 | | | | | 44.6 | 46.4 | 47.9 | |
| H4831sc | | | 44.5 | 45.5 | 46.6 | 47.8 | | |
| IMR 4955 End. | | | 44.1 | 45.0 | 46.0 | | | |
| N560 | 45.2 | 47.2 | 48.1 | 49.1 | 50.1 | 51.1 | 52.0 | |
| N565 | | | 50.1 | 51.2 | 52.2 | 53.1 | 54.0 | 54.8 |
| RE 23 | | | 44.3 | 45.4 | 46.4 | 47.5 | 48.6 | |
| IMR 7828 | | | 46.5 | 48.1 | 49.5 | 50.5 | 51.3 | |
| RE 25 | | | | | 49.5 | 51.6 | 53.1 | 53.9 |
| H1000 | | | 47.9 | 49.1 | 50.3 | 51.4 | 52.4 | |
| Retumbo | | | 47.5 | 49.4 | 51.0 | 52.3 | 53.3 | 54.0 |
| IMR 8133 | | | | 48.3 | 50.4 | 52.4 | | |
| 24N41 | | | 52.2 | 54.4 | 56.6 | | | |
| Energy Ft. Lbs | | 1796 | 1929 | 1998 | 2067 | 2138 | 2210 | 2283 |
| Special Load | Powder | Grains | Velocity | fps | Energy | Ft. lbs | | |
| Accuracy Load | H4831sc | 47.8 | 3000 | | 2138 | | | |
| <i>Sierra does not recommend MatchKing bullets for hunting applications.</i> | | | | | | | | |

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| | | Bullet Caliber Weight Type | | | | | | | C.O.A.L. |
|---|----------|-------------------------------|--------------|----------------|-------------|-------------|-------------|-------------|----------|
|  | | #1575 .243" 110gr. HPBT Match | | | | | | | 3.530"* |
| *requires a 1x7" or faster twist | | | | | | | | | |
| Powder | Velocity | 2700 | 2800 | 2900 | 2950 | 3000 | 3050 | 3100 | |
| H4350 | | | 40.3 | 43.0 | 44.2 | | | | |
| Hybrid 100V | | 39.2 | 41.3 | 43.2 | 44.1 | | | | |
| RE 19 | | | | 45.6 | 46.9 | 48.1 | 49.3 | | |
| H4831sc | | | | 46.5 | 47.9 | | | | |
| IMR 4955 End. | | 42.6 | 44.7 | 46.8 | | | | | |
| N560 | | | 45.6 | 47.9 | 49.0 | 50.1 | 51.2 | | |
| N565 | | | | 50.8 | 51.8 | 52.8 | 53.7 | 54.6 | |
| RE 23 | | | 43.8 | 46.0 | 47.2 | 48.4 | | | |
| IMR 7828 | | | 46.4 | 48.3 | 49.4 | 50.5 | | | |
| RE 25 | | | | 49.0 | 50.0 | 51.1 | 52.2 | | |
| H1000 | | | | 48.9 | 50.1 | 51.2 | 52.3 | | |
| Retumbo | | | 47.4 | 49.5 | 50.6 | 51.7 | 52.9 | | |
| IMR 8133 | | | | 50.1 | 53.1 | 54.0 | 54.7 | | |
| 24N41 | | 49.1 | 53.1 | 55.8 | 56.7 | | | | |
| Energy Ft. Lbs | | 1780 | 1915 | 2054 | 2125 | 2198 | 2272 | 2347 | |
| Special Load | Powder | Grains | Velocity fps | Energy Ft. lbs | | | | | |
| Accuracy Load | N560 | 51.2 | 3050 | 2272 | | | | | |
| <i>Sierra does not recommend MatchKing bullets for hunting applications.</i> | | | | | | | | | |