## Cartridge

## 7mm WSM - 120 grain

## 0.555 0.538 0.321 0.

mm

## 7mm WSM - 120 grain

NDSLER®

Ballistic Tip*     II     120gr. Spitzer     2.850"     0.417     0.213       CASE TYPE:     Winchester     PRIMER TYPE     WLR     24" Wiseman       CASE TYPE:     7.8     Gr. WATER     BARREL Length/Make     24" Wiseman       BARREL Length/Make     24" Wiseman     1-9 1/2"     1-9 1/2"       POWDER     POWDER     CHG.     MUZZLE VEL.     LODD ENSITY       YPPE     58.5     * MAX.     3349     80%       54.5     3256     96%     96%       54.5     3164     96%     96%       67.0     3205     96%     96%       63.5     MAX.     3362     97%       64.6     3226     91%     86%       61.5     MAX.     3382     86%       61.5     MAX.     3382     86%       61.5     MAX.     3382     87%       65.5     MAX.     3382     87%       65.5     MAX.     3382     87%       65.5     * 3256     75%     87%       75.5     3226     75%     93%       65.5     * 3267     75%     93%       65.5     3268     91%     91%       75.5     3256     91%       75.5	MAXIMUM SAAMI O.A.C.L.				2.860"	TESTED O.A.C.L.	В	.C.	S.D.
CASE HOLDS:         76.8         Gr. WATER         BARREL Length/Make         24" Wiseman           BARREL Twist         1-9 1/2"         LOAD DENSITY           POWDER         GR.         F.P.S.         LOAD DENSITY           Yarget         58.5         * MAX. 3349         82%           56.5         3256         80%           54.5         3164         77%           H4831SC         71.0         * MAX. 3364         96%           69.0         3284         94%           67.0         3205         91%           H414         65.5         3286         89%           61.5         3286         89%         83%           61.5         3286         89%         83%           61.5         3286         89%         83%           61.5         3286         89%         83%           61.5         3286         93%         93%           65.5         3226         75%         93%           61.5         3286         93%         93%           61.5         3286         93%         93%           65.0         3285         93%         93%           65.0 <t< th=""><td>Ballistic Tip®</td><td></td><td></td><td>BT</td><td>120gr. Spitzer</td><td>2.850"</td><td>0.</td><td>.417</td><td>0.213</td></t<>	Ballistic Tip®			BT	120gr. Spitzer	2.850"	0.	.417	0.213
BARREL Twist         1-9 1/2"           POWDER TYPE         POWJER CHG. GRS.         MUZZLE VEL. F.P.S.         LOAD DENSITY (VOLUME)           Varget         58.5         * MAX. 3349         82%           56.5         3256         80%         80%           54.5         3164         77%         80%           64.5         3264         96%         94%           67.0         * MAX. 3364         96%         94%           67.0         * MAX. 3382         91%         88%           61.5         * MAX. 3382         88%         86%           61.5         * MAX. 3382         88%         86%           61.5         * MAX. 3382         88%         86%           61.5         * 3191         88%         88%           RL15         59.5         * MAX. 3325         75%           1MR 4350         67.0         * MAX. 3241         93%           63.0         3149         93%         93%           Most Accurate         69.0         3285         93%           Most Accurate         69.0         3271         93%           Most Accurate         69.5         3263         93%           Most Accurate<	CASE TYPE:	Winchester			PRIMER TYPE			WLRM	
POWDER TYPEPOWJER CHG. GRS.WUZZLE VEL. F.P.S.LOAD DENSITY (VOLUME)Varget 56.558.5* MAX. 334982%56.5325680%54.5316477%H4831SC 69.07.10* MAX. 336496%67.0320591%67.0320591%63.5328688%61.5* 319188%61.5* 325788%71.6* MAX. 338288%63.5328688%61.5* 319183%75.5* 325775%75%328693%65.0328593%65.1* 325793%65.2328691%75.5* 325793%65.6328593%65.7328693%65.8* 325793%75%93%93%75%328691%75%328691%75%328691%75%328691%75%328691%75%328691%75%328691%75%338693%95%93%93%95%93%93%95%93%93%95%93%93%95%93%91%95%93%91%95%93%91%95%93%91%95%93%91%95%93%	CASE HOLDS:	CASE HOLDS: 76.8 Gr. WATER			BARREL Length/Make			24" Wiseman	
TYPECRS.F.P.S.(VOLUME)Varget58.5* MAX.34982%56.5316480%80%54.5316477%77%H4831SC71.0* MAX.36494%60.0328494%94%67.0320591%91%67.1320591%91%67.5320591%88%63.5319181%83%75.5332678%83%75.5323278%78%63.7328593%93%64.0318993%93%65.7328693%93%75.8329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%75.9329593%93%				BARREL Twist			1-9 1/2"		
Varget       58.5       * MAX. 3349       82%         56.5       3256       80%         54.5       3164       77%         H4831SC       71.0       * MAX. 3364       96%         69.0       3284       94%         67.0       3205       91%         H414       65.5       MAX. 3382       89%         63.5       3286       86%         61.5       * 3191       83%         RL15       59.5       MAX. 3395       81%         57.5       3326       78%         55.5       * 3257       75%         IMR 4350       67.0       * MAX. 3421       93%         65.0       3285       91%       88%         Most Accurate       69.5       * 3257       93%         Powder Tested       67.0       * 3256       93%         65.0       3285       91%       93%         IMR 4831       69.5       * MAX. 3441       95%         Powder Tested       67.0       * 3271       90%         IMR 4831       69.5       * 3263       91%         65.5       3223       91%       94%         65.5       3223 </th <td colspan="3">POWDER POWDER CHG.</td> <td></td> <td colspan="3">MUZZLE VEL.</td> <td colspan="2">LOAD DENSITY</td>	POWDER POWDER CHG.				MUZZLE VEL.			LOAD DENSITY	
56.5       3256       80%         54.5       3164       77%         H4831SC       71.0       * MAX. 3364       96%         69.0       3284       94%         67.0       3205       91%         H414       65.5       MAX. 3382       89%         63.5       3286       88%         61.5       * 3191       88%         RL15       59.5       MAX. 3395       88%         FRL5       59.5       3226       78%         61.5       * 3191       88%       88%         Most Accurate       67.0       * MAX. 3421       93%         65.0       3285       91%       88%         Most Accurate       71.0       MAX. 3421       93%         Powder Tested       67.0       3285       93%         IMR 4831       67.5       3285       93%         Fox       3271       93%       93%         IMR 4831       67.5       3283       93%         IMR 4831       67.5       3285       93%         IMR 4831       67.5       3283       93%         IMR 4831       67.5       3283       93% <t< th=""><td>ТҮРЕ</td><td colspan="3">GRS.</td><td>F.P.S.</td><td></td><td></td><td>(VOLI</td><td>JME)</td></t<>	ТҮРЕ	GRS.			F.P.S.			(VOLI	JME)
54.5       3164       77%         H4831SC       71.0       * MAX. 3364       96%         69.0       3284       94%         67.0       3205       91%         H414       65.5       MAX. 3382       88%         61.5       * 3191       88%         61.5       * 3191       83%         RL15       59.5       MAX. 3395       81%         55.5       * 3257       75%         IMR 4350       67.0       * MAX. 3421       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.5       3223       93%         90wder Tested       67.0       3261         65.5	Varget	et 58.5 * MAX. 33		3349				1	82%
H4831SC       71.0       * MAX. 3364       96%         69.0       3284       94%         67.0       3205       91%         H414       65.5       MAX. 3382       88%         63.5       3286       86%         61.5       * 3191       88%         RL15       59.5       MAX. 3395       81%         57.5       3326       75%         IMR 4350       67.0       * MAX. 3421       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         Powder Tested       67.0       * 3271       90%         IMR 4831       69.5       * MAX. 3448       97%         65.5       3223       91%       90%         65.5       3223       91%       91%         65.5       3248       99%       96%         65.5       3248       99%       90%		56.5		3256				1	80%
69.0       3284       94%         67.0       3205       91%         H414       65.5       MAX. 3382       88%         63.5       3286       86%         63.5       3286       88%         61.5       * 3191       88%         RL15       59.5       MAX. 3395       81%         57.5       3326       78%         57.5       3257       75%         IMR 4350       67.0       * MAX. 3421       93%         65.0       3285       91%       88%         65.0       3285       91%       88%         Most Accurate       70.       * MAX. 3441       95%         Powder Tested       67.0       * MAX. 3448       97%         IMR 4831       69.5       3236       91%         IMR 4831       69.5       3236       91%         IMR 4831       69.5       3236       91%         IMR 4831       69.5       3263       91%         IMR 4831       69.5       3263       91%         IMR 4831       69.5       3263       91%         IMR 68.5       3263       91%       91%         IMS 60.5		54.5		3164					77%
67.0       3205       91%         H414       65.5       MAX. 3382       89%         63.5       3286       86%         61.5       * 3191       83%         RL15       59.5       MAX. 3395       81%         57.5       3326       78%         55.5       * 3257       75%         IMR 4350       67.0       * MAX. 3421       93%         65.0       3285       91%         65.0       3285       91%         65.0       3285       91%         65.0       3285       91%         65.0       3285       91%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         65.0       3285       93%         Powder Tested       67.0       * 3271       90%         IMR 4831       69.5       * MAX. 3448       97%         65.5       3223       91%       91%         IMR 4831       69.5       3361       94%         65.5       3248       99%       99%         66.5	H4831SC	71.0	* MAX.	3364				9	96%
H414       65.5       MAX. 3382       89%         63.5       3286       86%         61.5       * 3191       83%         RL15       59.5       MAX. 3395       81%         57.5       3326       78%         55.5       * 3257       75%         IMR 4350       67.0       * MAX. 3421       93%         65.0       3285       91%         63.0       3149       88%         Hunter       71.0       MAX. 3441       95%         Most Accurate       69.0       3356       93%         Fowder Tested       67.0       * 3271       90%         IMR 4831       69.5       3285       91%         Most Accurate       69.0       3356       93%         Powder Tested       67.0       * 3271       90%         IMR 4831       69.5       3283       91%         K560       70.5       MAX. 3448       97%         Most Accurate       69.5       3223       91%         K560       70.5       MAX. 3474       102%         K560       70.5       3248       99%         K65.5       3248       96%		69.0		3284				9	94%
63.5       3286       86%         61.5       * 3191       83%         RL15       59.5       MAX. 3395       81%         57.5       3326       78%         55.5       * 3257       75%         IMR 4350       67.0       * MAX. 3421       93%         65.0       3285       91%         63.0       3149       88%         Hunter       71.0       MAX. 3441       95%         Most Accurate       69.0       3356       93%         Powder Tested       67.0       * 3271       90%         IMR 4831       69.5       * MAX. 3448       97%         65.5       3223       91%       91%         65.5       3223       91%       91%         65.5       3223       91%       91%         MS60       70.5       MAX. 3448       97%         65.5       3223       91%       91%         65.5       3223       91%       99%         65.5       3248       99%       99%         66.5       3248       96%       96%         RL19       72.0       *MAX. 3514       102%       99% <td></td> <td>67.0</td> <td></td> <td>3205</td> <td></td> <td></td> <td></td> <td>9</td> <td>91%</td>		67.0		3205				9	91%
61.5       * 3191       83%         RL15       59.5       MAX. 3395       81%         57.5       3326       78%         55.5       * 3257       75%         IMR 4350       67.0       * MAX. 3421       93%         65.0       3285       91%         63.0       3149       88%         Hunter       71.0       MAX. 3441       95%         Most Accurate       69.0       3356       93%         Powder Tested       67.0       * 3271       90%         IMR 4831       69.5       * MAX. 3448       97%         65.5       3223       91%       90%         IMR 4831       69.5       * 3361       94%         65.5       3223       91%       90%         RL19       72.0       * MAX. 3514       40       99%         70.0       3405       93%       99%	H414	65.5	MAX.	3382				1	89%
RL15       59.5       MAX. 3395       81%         57.5       3326       78%         55.5       * 3257       75%         IMR 4350       67.0       * MAX. 3421       93%         65.0       3285       91%         63.0       3149       88%         Most Accurate       69.0       3356         Powder Tested       67.0       * 3271       90%         IMR 4831       69.5       * 3336       94%         65.5       3223       91%       90%         IMR 4831       69.5       * 3361       94%         65.5       3223       91%       99%         RL16       70.5       MAX. 3474       99%         66.5       3248       99%       99%         66.5       3248       96%       99%         66.5       3248       96%       96%         RL19       72.0       * MAX. 3514       ************************************		63.5		3286				1	86%
57.5       3326       78%         55.5       * 3257       75%         IMR 4350       67.0       * MAX. 3421       93%         65.0       3285       91%         63.0       3149       88%         Hunter       71.0       MAX. 3441       95%         Most Accurate       69.0       3356       93%         Powder Tested       67.0       * 3271       90%         IMR 4831       69.5       * MAX. 3448       97%         67.5       3336       94%       94%         65.5       3223       91%       90%         N560       70.5       MAX. 3474       102%         68.5       * 3361       99%       96%         66.5       3248       96%       96%         RL19       72.0       * MAX. 3514       **       102%         70.0       3405       99%       99%       99%		61.5	*	3191				1	83%
55.5       *       3257       75%         IMR 4350       67.0       *       MAX. 3421       93%         65.0       3285       91%       88%         63.0       3149       88%       88%         Most Accurate       69.0       3356       93%         Powder Tested       67.0       *       3271       90%         IMR 4831       69.5       *       3336       94%         65.5       3223       91%       91%         MS560       70.5       MAX. 3474       99%         66.5       3248       99%       99%         66.5       3248       99%       96%         RL19       72.0       *       3514       102%         70.0       3405       99%       99%       99%	RL15	59.5	MAX.	3395				1	81%
IMR 4350       67.0 * MAX. 3421       93%         65.0       3285       91%         63.0       3149       88%         Hunter       71.0 MAX. 3441       95%         Most Accurate       69.0 3356       93%         Powder Tested       67.0 * 3271       90%         IMR 4831       69.5 * MAX. 3448       97%         65.5       3223       91%         Most Accurate       69.5 * 3336       94%         65.5       3223       91%         Kot Accurate       66.5 * 3248       99%         Max< 3514       102%         66.5       3248       96%         RL19       72.0 * MAX. 3514       ***       102%         70.0       3405       99%		57.5		3326				-	78%
65.0       3285       91%         63.0       3149       88%         Hunter       71.0       MAX. 3441       95%         Most Accurate       69.0       3356       93%         Powder Tested       67.0       3271       90%         IMR 4831       69.5       * MAX. 3448       97%         65.5       3223       91%       94%         65.5       3223       91%       91%         N560       70.5       MAX. 3474       99%         66.5       3248       99%         66.5       3248       96%         RL19       72.0       * MAX. 3514       ************************************		55.5	*	3257					75%
63.0       3149       88%         Hunter       71.0       MAX. 3441       95%         Most Accurate       69.0       3356       93%         Powder Tested       67.0       * 3271       90%         IMR 4831       69.5       * MAX. 3448       97%         67.5       3336       94%         65.5       3223       91%         N560       70.5       MAX. 3474       **         66.5       3248       99%         66.5       3248       96%         RL19       72.0       * MAX. 3514       **	IMR 4350	67.0	* MAX.	3421				9	93%
Hunter         71.0         MAX. 3441         95%           Most Accurate         69.0         3356         93%           Powder Tested         67.0         * 3271         90%           IMR 4831         69.5         * MAX. 3448         97%           67.5         3336         94%           65.5         3223         91%           N560         70.5         MAX. 3474         **           66.5         3248         99%           66.5         3248         96%           RL19         72.0         * MAX. 3514         **		65.0		3285				9	91%
Most Accurate Powder Tested         69.0         3356         93%           IMR 4831         69.5         * MAX. 3448         90%           IMR 4831         69.5         * MAX. 3448         97%           67.5         3336         94%           65.5         3223         91%           N560         70.5         MAX. 3474         ***           66.5         3248         99%           66.5         3248         96%           RL19         72.0         * MAX. 3514         ***		63.0		3149				:	88%
Powder Tested         67.0         * 3271         90%           IMR 4831         69.5         * MAX. 3448         97%           67.5         3336         94%           67.5         3223         91%           N560         70.5         MAX. 3474         102%           68.5         3361         99%         96%           66.5         3248         96%         96%           RL19         72.0         * MAX. 3514         102%         99%	Hunter	71.0	MAX.	3441				9	95%
IMR 4831       69.5       * MAX. 3448       97%         67.5       3336       94%         65.5       3223       91%         N560       70.5       MAX. 3474       ***         68.5       * 3361       99%         66.5       3248       96%         RL19       72.0       * MAX. 3514       ***         70.0       3405       99%	Most Accurate	69.0		3356				9	93%
67.5       3336       94%         65.5       3223       91%         N560       70.5       MAX. 3474       102%         68.5       * 3361       99%         66.5       3248       96%         RL19       72.0       * MAX. 3514       ***         70.0       3405       99%	Powder Tested	67.0		3271				9	90%
65.5         3223         91%           N560         70.5         MAX. 3474         102%           68.5         * 3361         99%           66.5         3248         96%           RL19         72.0         * MAX. 3514         ***           70.0         3405         99%	IMR 4831	69.5	* MAX.	3448				9	97%
N560         70.5         MAX. 3474         ***         102%           68.5         *         3361         99%           66.5         3248         96%           RL19         72.0         * MAX. 3514         ***         102%           70.0         3405         99%         99%		67.5		3336				9	94%
68.5       *       3361       99%         66.5       3248       96%         RL19       72.0       *       MAX. 3514         70.0       3405       99%		65.5		3223				9	91%
66.5       3248       96%         RL19       72.0 * MAX. 3514       ***       102%         70.0       3405       99%	N560	70.5	MAX.	3474			**	1	02%
RL19         72.0 * MAX. 3514         ***         102%           70.0         3405         99%		68.5	*	3361				9	99%
RL19         72.0 * MAX. 3514         ***         102%           70.0         3405         99%		66.5						9	96%
70.0 3405 99%	RL19		* MAX.				**		
								9	99%
		68.0		3296					96%

All cartridge measurements are SAAM I maximum and due to variations from manufacturers actual measurements may vary <sup>®</sup> Because Nosler, Inc. has no control over the actual components selected, the manner in which they are assembled or the condition of the firearm used, no responsibility, either expressed or implied is assumed for the use of this data. In o event shall Nosler, Inc. be liable for any damages resulting from the use of this data.<sup>®</sup>

\* = Most accurate load tested

\*\* = Compressed load