



**CUTTING EDGE
BULLETS**

Select a category below:

MTH

MTAC

LAZER

MAXIMUS (RIFLE/MUZZLELOADER)

FLAT BASE RAPTOR

ER RAPTOR

ESP RAPTOR

DANGEROUS GAME (SAFARI)

HANDGUN

22lr CuRx

MUZZLELOADER RAPTOR

LOADED AMMUNITION

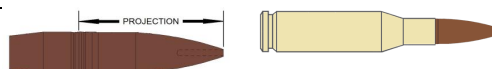


MTH-Match, Tactical, Hunting
SOLID COPPER, LEAD FREE
ELR Hunting and Target Shooting 0 - 1,600 yards +



Caliber	Grains	Minimum Required Twist	Part Number	G1 BC	G7 BC	OAL	Bullet ¹ Projection
.224	30	1-16"	HGHP 22 30			.609"	.427"
	32	1-16"	HGHP 22 32	.122 (A.B.)		.553"	.410"
	40	1-14"	FBH 224 40	.200		.644"	.462"
	55	1-9"	MTH 224 55	.250		.869"	.500"
	65	1-9"	MTH 224 65	.310		.981"	.500"
		78	1-7"	MTH 224 78 MAX	.408 (A.B.)	.209 (A.B.) .210 (Oehler 89)	1.182"
.243 (6mm)	77	1-10"	MTH 243 77	.370		1.027"	.655"
	88	1-9.25"	MTH 243 88	.445		1.136"	.655"
	100	1-7"	MTH 243 100 MAX	.448 (Oehler 89)	.222 (Oehler 89)	1.263"	.835"
.257	100	1-9"	MTH 257 100	.420		1.136"	.600"
	115	1-8"	MTH 257 115	.460		1.290"	.879"
.264 (6.5mm)	120	1-9"	MTH 264 120	.490 (Oehler 89)	.246 (Oehler 89)	1.313"	.804"
	130	1-7"	MTH 264 130 MAX	.521 (A.B.)	.267 (A.B.)	1.417"	.968"
	130	1-7"	MTH 264 130	.550		1.389"	.720"
	140	1-6.5"	MTH 264 140 MAX	.568 (A.B.)	.291 (A.B.)	1.501"	1.056"
.277	120	1-10"	MTH 277 120	.408 (A.B.) .420 (Oehler 89)	.209 (A.B.) .210 (Oehler 89)	1.192"	.735"
	130	1-10"	MTH 277 130	.444 (A.B.) .456 (Oehler 89)	.227 (A.B.) .228 (Oehler 89)	1.266"	.735"
	140	1-9"	MTH 277 140 MAX	.480 (Oehler 89)	.241 (Oehler 89)	1.348"	.863"
.284 (7mm)	130	1-11"	MTH 284 130	.450		1.241"	.760"
	145	1-10"	MTH 284 145	.495		1.363"	.714"
	155	1-9.25"	MTH 284 155 MAX	.480 (A.B.)	.246 (A.B.)	1.468"	.937"
	168	1-8"	MTH 284 168 MAX	.519 (A.B.)	.266 (A.B.)	1.559"	1.028"
	180	1-7"	MTH 284 180 MAX	.570 (A.B.) (Oehler 89)	.651 .326 (Oehler 89)	.292 (A.B.)	1.680"
.308	130	*1-14"	MTH 308 130	.420		1.104"	.700"
	140	*1-13"	MTH 308 140	.394 (A.B.)	.202 (A.B.)	1.173"	.740"
	150	*1-12"	MTH 308 150	.450		1.242"	.785"
	165	*1-11"	MTH 308 165	.499 (A.B.)	.256 (A.B.)	1.355"	.785"
	175	1-10"	MTH 308 175	.515 (A.B.)	.264 (A.B.)	1.415"	.785"
	180	*1-10"	MTH 308 180	.478 (A.B.)	.245 (A.B.)	1.445"	.785"
	180	*1-10"	MTH 308 180 MAX	.508 (A.B.)	.260 (A.B.)	1.470"	.936"
	190	*1-9.5"	MTH 308 190 MAX	.564 (A.B.)	.289 (A.B.)	1.572"	1.106"
	200	*1-9.5"	MTH 308 200 MAX	.610	.312	1.596"	1.106"
	225	*1-10"	MTH 323 225 MAX	.640	.317est.	1.704"	1.139"
.323 (8mm)	256	*1-9"	MTH 323 256 MAX	.750	.366est.	1.882"	1.317"
	175	*1-14"	MTH 338 175	.383 (A.B.)	.196 (A.B.)	1.218"	.790"
	200	*1-12"	MTH 338 200	.438 (A.B.)	.224 (A.B.)	1.420"	.850"
	225	*1-10"	MTH 338 225	.593 (A.B.)	.304 (A.B.)	1.638"	1.083"
	252	*1-10"	MTH 338 252	.750		1.749"	1.036"
	252	*1-10"	MTH 338 252 MAX	.716 (A.B.)	.367 (A.B.)	1.758"	1.174"
	265	*1-10"	MTH 338 265	.800		1.813"	1.036"
	265	*1-10"	MTH 338 265 MAX	.767 (A.B.)	.393 (A.B.)	1.826"	1.242"
	275	*1-9.5"	MTH 338 275	.826(801 A.B)	.412 (A.B.)	1.863"	1.036"
	275	*1-9.5"	MTH 338 275 MAX	.805 (A.B.)	.412 (A.B.)	1.880"	1.298"
	300	*1-8.5"	MTH 338 300 MAX	.794 (A.B.)	.407 (A.B.)	2.014"	1.463"
	.358	340	*1-10"	MTH 358 340 MAX	.920		2.061"
300		*1-13"	MTH 375 300 MAX	.646 (A.B.)	.331 (A.B.)	1.723"	1.141"
320		*1-12"	MTH 375 320	.684 (A.B.)	.350 (A.B.)	1.800"	1.067"
330		*1-12"	MTH 375 330 MAX	.750 (A.B.)	.384 (A.B.)	1.864"	1.273"
350		*1-11"	MTH 375 350 MAX	.812 (A.B.)	.415 (A.B.)	1.993"	1.402"
375		*1-10"	MTH 375 375 MAX	.843 (A.B.)	.432 (A.B.)	2.099"	1.503"
400		*1-9"	MTH 375 400 MAX	.980		2.205"	1.609"
.408	425	*1-8"	MTH 375 425 MAX	1.030		2.312"	1.716"
	390	*1-13"	MTH 408 390 MAX	.744 (A.B.)	.381 (A.B.)	1.904"	1.305"
	415	*1-13"	MTH 408 415 MAX	.798 (A.B.)	.409 (A.B.)	1.986"	1.309"
	340	*1-14"	MTH 416 340 MAX	.780		1.793"	1.285"
	350	*1-17"	MTH 416 350	.550		1.547"	.784"
.416	350	*1-16.5"	MTH 416 350 MAX	.650		1.651"	1.143"
	375	*1-14"	MTH 416 375 MAX	.790est		1.793"	1.285"
	420	*1-13"	MTH 416 420 MAX	.786 (A.B.)	.402 (A.B.)	1.994"	1.380"
	444	*1-13"	MTH 416 444 MAX	.771 (A.B.)	.395 (A.B.)	2.000"	1.290"
	450	*1-13"	MTH 416 450 MAX	.817 (A.B.)	.418 (A.B.)	2.097"	1.483"
	470	*1-12"	MTH 416 470 MAX	.880		2.119"	1.503"
	.510	798	Standard	MTH 510 798 MAX	.970		2.501"
.550	600	Standard	MTH 550 600	TBD		1.462"	.800"

¹If shooting through transonic, a twist rate increase of 1 inch is recommended (ex: 1:9" instead of 1:10")
BC data marked (A.B) is data obtained from independent testing performed by Applied Ballistics LLC.
All Estimated BC's within +/- 5%





MTAC - Match, Tactical

Solid Copper, Lead Free
ELR Target Shooting
Match Grade 0 - 1,600 yards +

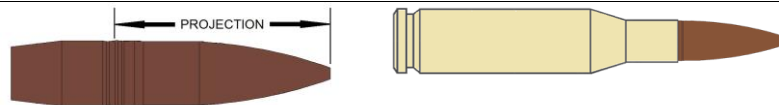


Caliber	Grains	Minimum Required Twist	Part Number	G1 BC	G7 BC	OAL	Bullet ¹ Projection
.224	55	*1-9"	MTAC 224 55	.250		.827"	.495"
	55	*1-9"	MTAC 224 55 Bulk	.250		.827"	.495"
	65	1-9"	MTAC 224 65			.963"	.500"
	79	*1-7"	MTAC 224 79 MAX	.431 (A.B.)	.221 (A.B.)	1.185"	.773"
.243	80	1-10"	MTAC 243 80			1.041"	.580"
	90	*1-8"	MTAC 243 90 MAX	.510		1.182"	.818"
	102	*1-7"	MTAC 243 102 MAX	.470		1.274"	.835"
.264 (6.5mm)	133	*1-7"	MTAC 264 133	.550		1.405"	.720"
	133	*1-7"	MTAC 264 133 MAX	.535 (A.B.)	.274 (A.B.)	1.425"	.990"
	143	*1-6.5"	MTAC 264 143 MAX	.564 (A.B.)	.289 (A.B.)	1.501"	1.056"
.277	120	*1-10"	MTAC 277 120	.460		1.186"	.735"
	125	*1-10"	MTAC 277 125	.465		1.223"	.655"
.284 (7mm)	157	*1-9.25"	MTAC 284 157 MAX	.610		1.468"	.937"
	192	*1-7"	MTAC 284 192 MAX	.700		1.714"	1.201"
.308	132	*1-14"	MTAC 308 132	.420		1.108"	.700"
	155	*1-12"	MTAC 308 155	.460		1.259"	.785"
	168	*1-10"	MTAC 308 168	.520		1.366"	.785"
	182	*1-10"	MTAC 308 182	.600	.307	1.450"	.785"
	182	*1-10"	MTAC 308 182 MAX	.600	.307	1.475"	.936"
.311	124	1-12"	MTAC 311 124			1.037"	.680"
.338	227	*1-11"	MTAC 338 227	.650		1.595"	1.083"
	254	*1-10"	MTAC 338 254	.750		1.753"	1.036"
	254	*1-10"	MTAC 338 254 MAX	.720 (A.B.)	.369 (A.B.)	1.764"	1.179"
	267	*1-10"	MTAC 338 267	.800		1.817"	1.036"
	267	*1-10"	MTAC 338 267 MAX	.827 (A.B.)	.418 (A.B.)	1.831"	1.246"
	277	*1-9.5"	MTAC 338 277	.825		1.867"	1.036"
	277	*1-9.5"	MTAC 338 277 MAX	.816 (A.B.)	.418 (A.B.)	1.883"	1.298"
	302	*1-8.5"	MTAC 338 302 MAX	.793 (A.B.)	.406 (A.B.)	2.014"	1.428"
.375	352	*1-11"	MTAC 375 352 MAX	.797 (A.B.)	.408 (A.B.)	2.002"	1.402"
	377	*1-10"	MTAC 375 377 MAX	.874 (A.B.)	.447 (A.B.)	2.103"	1.503"
	402	*1-9"	MTAC 375 402 MAX	.889 (A.B.)	.455 (A.B.)	2.209"	1.609"
	427	*1-8"	MTAC 375 427 MAX	.940 (A.B.)	.481 (A.B.)	2.312"	1.716"
	.408	395	*1-13"	MTAC 408 395 MAX	.735 (A.B.)	.376 (A.B.)	1.918"
420		*1-13"	MTAC 408 420 MAX	.777 (A.B.)	.398 (A.B.)	2.003"	1.305"
.416	422	*1-13"	MTAC 416 422	.801 (A.B.)	.410 (A.B.)	1.976"	1.357"
	446	*1-12"	MTAC 416 446	.779 (A.B.)	.399 (A.B.)	2.023"	1.290"
	452	*1-13"	MTAC 416 452 MAX	.791 (A.B.)	.406 (A.B.)	2.093"	1.420"
	472	*1-12"	MTAC 416 472 MAX	.806 (A.B.)	.413 (A.B.)	2.172"	1.558"
	475	*1-12"	MTAC 416 475 MAX	.900 (A.B.)	.460 (A.B.)	2.244"	1.628"
	500	*1-11"	MTAC 416 500 MAX			2.329"	1.713"
	525	*1-10"	MTAC 416 525 MAX			2.415"	1.799"
	550	*1-10"	MTAC 416 550 MAX	1.045 (A.B.)	.536 (A.B.)	2.500"	1.884"
.510	660	Standard	MTAC 510 660			2.067"	1.404"
	720	Standard	MTAC 510 720	.838 (A.B.)	.429 (A.B.)	2.230"	1.460"
	762	Standard	MTAC 510 762 MAX	.952 (A.B.)	.487 (A.B.)	2.381"	1.689"
	802	Standard	MTAC 510 802 MAX	.995 (A.B.)	.509 (A.B.)	2.501"	1.809"
	902	*1-14"	MTAC 510 902 MAX	1.07	.546	2.731"	2.034"
	1002	*1-13"	MTAC 510 1002 MAX	1.175 (A.B.)	.601 (A.B.)	2.959"	2.262"

*If shooting through transonic, a twist rate increase of 1 inch is recommended (ex: 1:9" instead of 1:10")
BC data marked (A.B) is data obtained from independent testing performed by Applied Ballistics LLC.
All Estimated BC's within +/- 5%

Highlighted bullets were tested through the Oehler 43 system

1. The bullet projection length is the distance from the SealTite Band® to the tip of the bullet.





LAZER™ - Ultra Long Range Hunting
 Solid Copper, Lead Free
 #1 Extreme Long Range Champion Bullet
 Target Shooting High Trauma Hunting 0 - 2,000 yards +

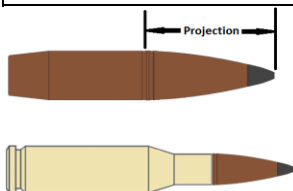


Caliber	Grains	Minimum Required Twist	Part Number	G1 BC	G7 BC	OAL	Bullet ¹ Projection
.264	125	1-8"	LZR 264 125	.520 (Oehler 89) .532 (A.B.)	.273 (A.B.) .269 (Oehler 89)	1.443"	.970"
	140	1-7"	LZR 264 140 MAX	.588 (A.B.)	.302 (A.B.)	1.574"	1.101"
.277	115	1-10"	LZR 277 115	.438 (Oehler 89) .434 (A.B.)	.223 (A.B.) .218 (Oehler 89)	1.261"	.772"
	130	1-9"	LZR 277 130	.505 (A.B.)	.259 (A.B.)	1.372"	.772"
	150	1-8"	LZR 277 150 MAX	.579 (A.B.) .573 (Oehler 89)	.297 (A.B.) .288 (Oehler 89)	1.557"	1.069"
.284	145	1-9"	LZR 284 145 MAX	.534 (A.B.) .545 (Oehler 89)	.274 (A.B.) .272 (Oehler 89)	1.468"	.937"
	160	1-8.5"	LZR 284 160 MAX	.620		1.582"	1.051"
	185	1-7"	LZR 284 185 MAX	.659 (A.B.) .665 (Oehler 89)	.338 (A.B.) .333 (Oehler 89)	1.764"	1.233"
.308	165	*1-11"	LZR 308 165 GEN2	.483 (A.B.) .471 (Oehler 89)	.247 (A.B.) .236 (Oehler 89)	1.446"	.750"
	180	*1-10"	LZR 308 180 GEN2	.525 (A.B.)	.269 (A.B.)	1.537"	.750"
	180	*1-10"	LZR 308 180 MAX GEN2	.544 (A.B.) .537 (Oehler 89)	.279 (A.B.) .265 (Oehler 89)	1.562"	1.040"
	200	*1-9"	LZR 308 200 MAX GEN2	.590 (Oehler 89)	.295 (Oehler 89)	1.695"	1.164"
	220	*1-8"	LZR 308 220 MAX GEN2	.646 (A.B.) .645 (Oehler 89)	.332 (A.B.) .323 (Oehler 89)	1.823"	1.292"
	230	*1-8"	LZR 308 230 MAX GEN2	.678 (Oehler 89)	.340 (A.B.) .339 (Oehler 89)	1.886"	1.355"
.338	225	*1-10"	LZR 338 225 GEN2	.623 (A.B.)	.319 (A.B.)	1.714"	1.029"
	250	*1-10"	LZR 338 250	.670		1.838"	1.029"
	250	*1-10"	LZR 338 250 MAX GEN2	.702 (A.B.)	.360 (A.B.)	1.867"	1.264"
	265	*1-10"	LZR 338 265 GEN2	.720 (A.B.)	.369 (A.B.)	1.913"	1.029"
	265	*1-10"	LZR 338 265 MAX GEN2	.751 (A.B.)	.385 (A.B.)	1.938"	1.335"
	275	*1-9.5"	LZR 338 275 MAX GEN2	.763 (A.B.)	.391 (A.B.)	1.991"	1.388"
	300	*1-8.5"	LZR 338 300 MAX GEN2	.827 (A.B.)	.424 (A.B.)	2.121"	1.518"
.375	325	*1-12"	LZR 375 325	.723 (A.B.)	.370 (A.B.)	1.968"	1.372"
	350	*1-10"	LZR 375 350 GEN2	.807 (A.B.)	.414 (A.B.)	2.078"	1.479"
	375	*1-10"	LZR 375 375 MAX GEN2	.858 (A.B.)	.440 (A.B.)	2.181"	1.585"
	400	*1-9"	LZR 375 400 MAX GEN2	.889 (A.B.)	.456 (A.B.)	2.287"	1.691"
	425	*1-8"	LZR 375 425 MAX	.921 (A.B.)	.471 (A.B.)	2.393"	1.797"
.408	425	*1-13"	LZR 408 425 MAX	.819 (A.B.)	.419 (A.B.)	2.168"	1.542"
	450	*1-12"	LZR 408 450 MAX GEN2	.865 (A.B.)	.438 (A.B.)	2.256"	1.630"
	475	*1-11"	LZR 408 475 MAX	.895 (A.B.)	.458 (A.B.)	2.345"	1.719"
.416	450	*1-13"	LZR 416 450 MAX	.83* est	.42 est	2.208"	1.576"
	475	*1-12"	LZR 416 475 MAX GEN2	.883 (A.B.)	.453 (A.B.)	2.293"	1.661"
	500	*1-11"	LZR 416 500 MAX GEN2	.927 (A.B.)	.476 (A.B.)	2.385"	1.753"
	525	*1-10"	LZR 416 525 MAX GEN2	.981 (A.B.)	.503 (A.B.)	2.471"	1.839"
	550	*1-10"	LZR 416 550 MAX GEN2	1.024 (A.B.)	.525 (A.B.)	2.556"	1.924"
.458	575	1-13"	LZR 458 575 MAX	TBD	TBD	2.352"	1.608"
	600	1-12"	LZR 458 600 MAX	TBD	.500*	2.422"	1.678"
	650	1-11"	LZR 458 650 MAX GEN2	1.035 (A.B.)	.525 (A.B.)	2.562"	1.818"
	700	1-10"	LZR 458 700 MAX	1.087 (A.B.)	.552 (A.B.)	2.702"	1.958"
.510	750	STANDARD	LZR 510 750 MAX	TBD	TBD	2.499"	1.698"
	800	1-14"	LZR 510 800 MAX	1.022 (A.B.)	.516 (A.B.)	2.633"	1.850"
	850	1-13"	LZR 510 850 MAX	TBD	TBD	2.747"	1.964"

*If shooting through transonic, a twist rate increase of 1-2 inches faster is recommended (ex: 1:9" instead of 1:10")
 BC data marked (A.B) is data obtained from independent testing performed by Applied Ballistics LLC.

All Estimated BC's within +/- 5%

1. The bullet projection length is the distance from the SealTite Band® to the tip of the bullet.





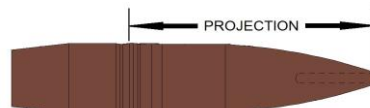
MAXIMUS Bullets
Solid Copper, Lead Free
High BC, High Trauma Hunting 0 - 1,200 yards



Caliber	Grains	Minimum Required Twist	Part Number	G1 BC	G7 BC	OAL	BULLET ¹ PROJECTION
.224	55	1-9"	M.224 55			.860"	.490"
	65	1-9"	M.224 65			.975"	.490"
.243	77	1-10"	M.243 77			1.021"	.615"
.264	105	1-9.5"	M.264 105	.330 (A.B.)	.169 (A.B.)	1.140"	.750"
	125	1-8"	M.264 125	.439 (O89) .424 (A.B.)	.218 (A.B.)	1.337"	.810"
.270	90	1-12"	M.277 90	.257 (A.B.)	.132 (A.B.)	.910"	.575"
	125	1-10"	M.277 125	.396 (O89) .397 (A.B.)	.203 (A.B.)	1.238"	.750"
	135	1-9"	M.277 135 MAX	.414 (A.B.)	.212 (A.B.)	1.317"	.829"
7MM (.284)	132	1-10"	M.284 132	.420 (A.B.)	.215 (A.B.)	1.271"	.760"
	152	1-9"	M.284 152	.463 (A.B.)	.237 (A.B.)	1.424"	.760"
.308	125	1-14"	M.308 125	.283 (O89) .282 (A.B.)	.145 (A.B.)	1.034"	.700"
	150	1-11"	M.308 150	.395 (O89) .399 (A.B.)	.205 (A.B.)	1.248"	.785"
	165	1-10"	M.308 165			1.350"	.785"
	175	1-10"	M.308 175	.507 (A.B.)	.260 (A.B.)	1.410"	.785"
.311	124	1-12"	M.311 24			1.034"	.680"
	175	1-14"	M.338 175			1.174"	.720"
	200	1-12"	M.338 200			1.287"	.720"
	225	1-11"	M.338 225			1.494"	.820"
.338	260	1-10"	M.338 260			1.722"	.940"
	160	1-20"	M.358 160			.939"	.600"
	180	1-16"	M.358 180			1.028"	.600"
	275	1-10"	M.358 275 MAX			1.623"	1.032"
.375	175	1-18"	M.375 175			.917"	.520"
	250	1-15"	M.375 250			1.355"	.730"
	300	1-13"	M.375 300			1.557"	.730"
.400	165	1-30"	M.400 165 12ct	.173		.771"	
	165	1-30"	M.400 165 50ct	.173		.771"	.500"
	240	1-24"	M.400 240 12ct	.285		1.121"	
	240	1-24"	M.400 240 50ct	.285		1.121"	.725"
.408	400	1-13"	M.408 400 MAX			1.851"	1.250"
.416	325	1-18"	M.416 325			1.390"	.740"
	400	1-16"	M.416 400			1.637"	.740"
.429	210	1-30"	M.429 210 50ct	.175		.864"	.550"
	250	1-24"	M.429 250 50ct	.311		1.069"	.750"
	275	1-22"	M.429 275 50ct			1.149"	.750"
	300	1-20"	M.429 300 50ct			1.227"	.750"
.430	210	1-30"	M.430 210 12ct	.175		.864"	
	210	1-30"	MZL M.430 210	.175		.864"	
	250	1-24"	M.430 250 12ct	.311		1.069"	
	250	1-24"	MZL M.430 250	.311		1.069"	
	275	1-22"	MZL M.430 275			1.147"	
	300	1-20"	MZL M.430 300			1.224"	
.451	250	1-30"	M.451 250 12ct	.200		.912"	
	250	1-30"	M.451 250 50ct	.200		.912"	.540"
	300	1-28"	M.451 300 12ct			1.088"	
	300	1-28"	M.451 300 50ct			1.088"	.640"
.458	260	1-28"	M.458 260 50ct	.200		.977"	.670"

Ballistic Coefficient Numbers Confirmed by Applied Ballistics LLC and Oehler 89

1. The bullet projection length is the distance from the SealTite Band® to the tip of the bullet.





Flat Base Raptors (FB)

Brass or Copper
High Trauma, Close Range Hunting 0 - 500 yards

Caliber	Grains	Minimum Required Twist	Part Number	G1 BC	OAL	Bullet ¹ Projection
.224	40	1-14"	ESP A40 Raptor	.150	.636	.340"
	50	1-9"	ESP A50 Raptor	.200	.764"	.340"
	55	1-11"	FB A55 Raptor- AR	.120	.827"	.490"
.228	60	1-10"	FB 228 60	.120	.881"	.450"
	66	1-10"	FB 228 66	.130	.875"	.450"
.308	100	1-12"	FB 308 100 Raptor	.220	1.161"	Blackout: .860" Win: .765" Wilson Tac: .675"
	110	1-12"	FB 308 110 CuLG		.830"	.439"
	130	1-12"	FB 308 130 Raptor	TBD	1.354"	Blackout: .860" Win: .765"
	135	1-10"	FB 308 135 CuLG		.991"	.480"
	150	1-10"	FB 308 150 Raptor	TBD	1.484"	Blackout: .860" Win: .765"
	190	1-8"	FB 308 190 SS**	TBD	1.467"	Blackout: .859" Whisper: .732"
	215	1-7"	FB 308 215 SS**	TBD	1.624"	Blackout: .859" Whisper: .732"
	230	1-7"	FB 308 230 SS**	TBD	1.719"	Blackout: .859" Whisper: .732"
.366 (9.3mm)	200	1-14"	FB 366 200	TBD	1.381"	.697"
.416	180	1:17"	FB R180 Raptor	TBD	1.099"	.833"
.423	257	Standard	DGBR-HP K05CA	TBD	1.363"	.650"
.452	160	1-28"	FB 452 160 CU Raptor**	TBD	.868"	.580"
	250	1-24"	FB 452 250 CU Raptor	TBD	1.115"	.650"
.458	258	1-20"	FB S258	.200	1.256"	.670"
	265	Standard	FB S265 CU Raptor	TBD	1.237"	.670"

**** Part numbers highlighted in Bold are Lead Free Options**

1. The bullet projection length is the distance from the SealTite Band® to the tip of the bullet.





Extended Range (ER) Raptor

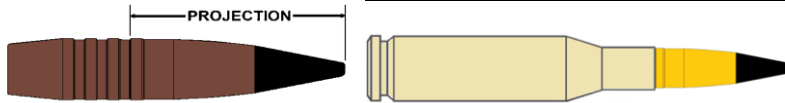
Items in bold are solid copper/lead free
 All other items are brass (contains trace amounts of lead)
 Extreme trauma hunting 0-600yds



Caliber	Grains	Minimum Required Twist	Part Number	G1 BC	OAL	Bullet ¹ Projection
.224	45	1-11"	ER A45 Cu Raptor	.220	.811"	.500"
	60	1-9"	ER A60 Cu Raptor	.265	.985"	.500"
.243	60	1-8"	ER F60 Cu Raptor	.270	1.041"	.655"
.257	90	1-9"	ER I90 Cu Raptor	.360	1.243"	.750"
.264	110	1-8"	ER G110 Cu Raptor	.400	1.406"	.900"
.277	82	1-12"	ER H82 Raptor	.203	1.050"	.620"
	82	1-12"	ER H82 TSG Raptor	.203	1.050"	.620"
	90	1-12"	ER H90 Cu Raptor	.330	1.184"	.769"
	115	1-10"	ER H115 Cu Raptor	.405	1.225"	.750"
.284 (7mm)	120	1-9.25"	ER J120 Cu Raptor	.440	1.369"	.750"
	135	1-9.25"	ER J135 Cu Raptor	.423 (Oehler 89)	1.461"	.790"
.308	135	1-12"	ER C135 Cu Raptor	.355	1.377"	.787"
	150	1-10"	ER C150 Cu Raptor	.400	1.476"	.787"
.338	176	1-10"	ER D176 Raptor	.430	1.622"	1.053"
	185	1-10"	ER D185 Cu TSG	.450	1.544"	.963"
	225	1-10"	ER D225 Cu TSG	.550	1.761"	.963"
.355	160	1-16"	ER 350 160 Cu Raptor		1.152"	.500"
.358	150	1-16"	ER E150 Raptor	.320	1.147"	.600"
	160	1-16"	ER E160 CU Raptor	.335	1.148"	.600"
.375	235	1-12"	ER L235	.337	1.519"	.730"

Highlighted bullets were tested through the *NEW* Oehler 89 system at 843 yards

1. The bullet projection length is the distance from the SealTite Band® to the tip of the bullet.





Enhanced System Projectile (ESP)

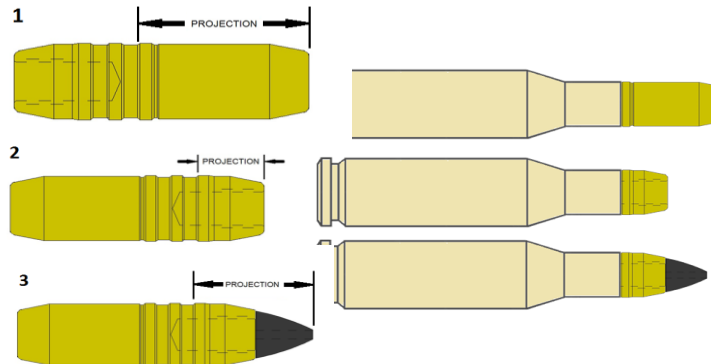
Solid Brass, Not Approved for Lead Free Hunting Close Range,
High Trauma Hunting 0 - 500yards

Caliber	Grains	Minimum Required Twist	Part Number	G1** BC w/o tip	G1* BC w/tip	OAL w/o tip	OAL w/tip	Bullet1* Projection w/o tip	Bullet1* Projection w/tip	Blunt Trauma Base™ ~ Retained Weight (grains)
.243 (6mm)	55	1-11"	ESP F55 Raptor	.115	.220	.774"	1.054"	.324"	.604"	32
	65	1-9.25"	ESP F65 Raptor	.120	.245	.892"	1.172"	.324"	.604"	43
.257	70	1-10"	ESP I70 Raptor	.115	.250	.850"	1.143"	.411"	.704"	44
	80	1-9"	ESP I80 Raptor	.125	.275	.949"	1.242"	.411"	.704"	54
.264	100	1-8"	ESP G100 Raptor	.130	.300	1.110"	1.410"	.454"	.754"	74
.277 (6.8mm)	85	1-12"	ESP H85 Raptor	.115	.200	.882"	1.05"	.452"	.620"	48
	100	1-10"	ESP H100 Raptor	.120	.225	1.018"	1.186"	.444"	.612"	71
	110	1-9.5"	ESP H110 Raptor	.125	.235	1.103"	1.271"	.444"	.612"	81
.284 (7mm)	115	1-10"	ESP J115 Raptor	.140	.332	1.096"	1.413"	.427"	.744"	84
	130	1-9"	ESP J130 Raptor	.135	.353	1.212"	1.529"	.427"	.744"	99
.308	100	1-12"	ESP C100 Raptor	.120	.230	.837"	1.215"	.319"	.697"	62
	130	1-11"	ESP C130 Raptor	.130	.305	1.037"	1.415"	.380"	.758"	92
	145	1-10"	ESP C145 Raptor	.140	.330	1.134"	1.512"	.360"	.738"	107
.311	100	1-12"	ESP CM100 Raptor	.120	.230	.825"	1.203"	.426"	.804"	60
	130	1-12"	ESP CM130 Raptor	.130	.295	1.023"	1.401"	.456"	.834"	90
.323 (8mm)	175	1-12"	ESP M175 Raptor	.130	.380	1.240"	1.618"	.436"	.814"	135
.338	175	1-12"	ESP D175 Raptor	.130	.350	1.138"	1.557"	.406"	.825"	129
	200	1-10"	ESP D200 Raptor	.140	.390	1.284"	1.703"	.406"	.825"	154
	225	1-9.5"	ESP D225 Raptor	.150	.410	1.420"	1.839"	.406"	.825"	179
.366	210	1-14"	ESP N210 Raptor	.130	.390	1.163"	1.442"	.391"	.697"	156
.375	230	1-12"	ESP L230 Raptor	.150	.313	1.204"	1.491"	.443"	.730"	174
.416	300	1-14"	ESP R300 Raptor	.180	.360	1.297"	1.629"	.424"	.756"	237
.423	300	1-14"	ESP K300 Raptor	TBD	.320 est.	1.268"	1.581"	.380"	.693"	221
.458	300	1-20"	ESP S300 Raptor	.140	.250	1.103"	1.452"	.251"	.650"	219
.500	350	1-16"	ESP W350 Raptor	.160	.270	1.106"	1.481"	.380"	.755"	257

*BC with the tip installed was determined at 250 yards

**BC without the tip installed was determined at 50 yards

1. The bullet projection length is the distance from the SealTite Band® to the tip of the bullet.





Safari Raptor, Solid, & Lever+

Solid Brass, Not Approved For Lead Free Hunting High Trauma, Dangerous Game Hunting 0 - 400 yards

Caliber	Grains	Part Number	OAL	Bullet ¹ Projection	G1 BC (Est.)
.264 (6.5mm)	130	DGSC G130	1.156"	.759"	
	140	DGSC G140	1.244"	.759"	
	155	DGSC G155	1.372"	.905"	
.308	100	ESP C100LG RAPTOR	.897"	.319"	.120
	130	ESP C130LG RAPTOR	1.037"	.357"	.130
	180	DGSC C180	1.150"	.745"	.210
	210	DGSC C210	1.341"	.745"	.240
.348	175	DGBR-HP DN02	1.057"	.540"	.170
	200	DGBR DN01	1.051"	.540"	.180
	175	DGSC-HP 348 175	1.017"	.540"	.170
	200	DGSC 348 200	.994"	.540"	.180
.366 (9.3mm)	255	DGBR-HP N04	1.363"	.750"	.170
	255	DGBR-HP N05 TSG	1.363"	.750"	.170
	280	DGBR N02	1.349"	.750"	.190
.375	275	DGBR-HP L03	1.375"	.750"	.170
	275	DGBR-HP L04 TSG	1.375"	.750"	.170
	300	DGBR L01	1.371"	.750"	.190
.409	370	DGBR-HP Q08NE	1.582"	.750"	.170
	400	DGBR Q01NE	1.547"	.750"	.190
.411	400	DGBR Q05	1.510"	.700"	
	370	DGBR-HP Q04	1.544"	.700"	
	350	DGBR Q07	1.324"	.700"	
	320	DGBR-HP Q06	1.359"	.700"	
.416	225	DGBR-HP R08	.988"	.410"	.140
	300	DGBR-HP R07	1.263"	.410"	.140
	325	DGBR-HP R05	1.358"	.750"	.160
	350	DGBR R01	1.331"	.750"	.170
	370	DGBR-HP R06	1.522"	.750"	.180
	400	DGBR R03	1.494"	.750"	.190
.423	325	DGBR-HP K06	1.326"	.655"	.160
	350	DGBR K05	1.274"	.655"	.170
	375	DGBR-HP K08	1.504"	.655"	.180
	400	DGBR K07	1.453"	.655"	.190
.440	410	DGBR-HP 440 410	1.483"	.750"	
	450	DGBR 440 450	1.483"	.750"	
.457 NE	450	DGBR-HP S14NE	1.511"	.750"	.170
	480	DGBR S05NE	1.514"	.750"	.190
.458	250	DGBR-HP S20LG	.908"	.410"	.140
	295	DGBR-HP S16LG	1.043"	.460"	.150
	295	DGBR-HP S19SS	1.041"	.600"	.150
	325	DGBR S17LG	1.014"	.460"	.170
	325	DGBR S15	1.012"	.650"	.170
	370	DGBR-HP S18LG	1.271"	.460"	.160
	400	DGBR S10LG	1.242"	.460"	.180
	420	DGBR-HP S09	1.417"	.750"	.180
	450	DGBR S01	1.414"	.750"	.190
	470	DGBR-HP S08	1.537"	.750"	.190
.474	500	DGBR S07	1.539"	.750"	.200
	320	DGBR-HP T07SS	1.043"	.650"	.150
	350	DGBR T06SS	1.017"	.650"	.160
	420	DGBR-HP T09BM	1.325"	.750"	.160
	450	DGBR T08BM	1.299"	.750"	.170



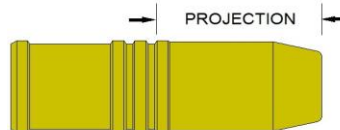
Safari Raptor, Solid, & Lever+

Solid Brass, Not Approved For Lead Free
Hunting High Trauma, Dangerous Game
Hunting 0 - 400 yards

Caliber	Grains	Part Number	OAL	Bullet ¹ Projection	G1 BC (Est.)
	460	DGBR-HP T05NE	1.475"	.703"	.180
	500	DGBR T04NE	1.475"	.703"	.190
.487	460	DGBR-HP U02	1.377"	.700"	
	500	DGBR U01	1.380"	.750"	.190
.500	300	DGBR-HP W25LG	.927"	.355"	
	335	DGBR-HP W24LG	1.014"	.405"	
	335	DGBR-HP W23SS	1.015"	.600"	
	365	DGBR-HP W21LG	1.091"	.460"	.160
	375	DGBR W18SS	0.984"	.600"	.160
	405	DGBR W13LG	1.061"	.460"	.170
	405	DGBR W15	1.059"	.600"	.170
	410	DGBR-HP W27	1.196"	.700"	.170
	450	DGBR W26	1.187"	.700"	.180
	450	DGBR-HP W20	1.329"	.608"	.180
	500	DGBR W08	1.329"	.608"	.190
550	DGBR W17	1.426"	.608"	.200	
.505	485	DGBR-HP WX02	1.332"	.600"	.180
	525	DGBR WX01	1.332"	.600"	.200
.510	350	DGBR-HP X09LG	1.022"	.355"	.150
	400	DGBR X10LG	1.002"	.355"	.160
	475	DGBR-HP X07NE	1.327"	.750"	.170
	510	DGBR X08NE	1.286"	.700"	.180
	530	DGBR-HP X06NE	1.468"	.700"	.190
	570	DGBR X04NE	1.448"	.700"	.200
.550	650	DGBR-HP NS02	1.546"	.800"	.190
	700	DGBR NS01	1.514"	.800"	.200
.585	600	DGBR-HP Y05NE	1.311"	.496"	.160
	650	DGBR Y04NE	1.257"	.496"	
	700	DGBR-HP Y03NE	1.491"	.750"	.180
	750	DGBR Y01NE	1.431"	.750"	.190
.620	825	DGBR-HP Z05NE	1.542"	.750"	.170
	900	DGBR Z04NE	1.530"	.750"	.180
.685	800	DGBR-HP 685 800	1.245"	.700"	.160
	915	DGBR 685 915	1.246"	.700"	.180

1. The bullet projection length is the distance from the SealTite Band® to the tip of the bullet.

**** Part numbers highlighted in Bold are Lead Free Options****





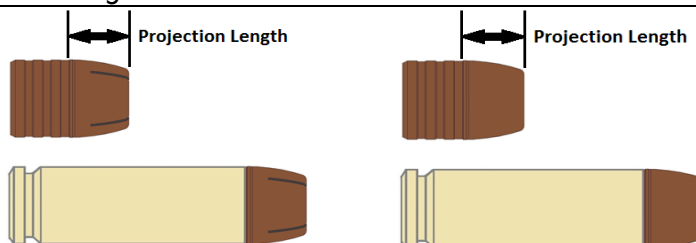
HG RAPTOR™ - HG SOLID™

Solid Copper, Lead Free
Personal Defense and Hunting 0 - 400 yards



Caliber	Grains	Part Number	OAL	Bullet ¹ Projection	Blunt Trauma Base™ ~ Retained Weight (grains)
5.7/.224	30	HGHP 22 30	.609"	.427"	15
	32	HGHP 22 32	.553"	.410"	5 to 6 blades, ~ 6 grs each
.380	75	HGHP 380 75	.440"	.272"	47
9mm	90	HGHP 9mm 90	.609"	.380"	43
	115	HGS 9mm 115	.565"	.272"	Solid- 100%
.357	105	HGHP 357 105	.703"	.285"	65
	140	HGHP 357 140	.836"	.285"	100
	165	HGS 357 165	.791"	.285"	Solid- 100%
.375	200	HGHP 375 200	1.058"	.480"	
	220	HGS 375 220	1.024"	.480"	Solid- 100%
.40/ 10mm	120	HGHP 40 120	.653"	.266"	70
	150	HGHP 40 150	.739"	.266"	105
	190	HGS 40 190	.725"	.266"	Solid- 100%
.41	135	HGHP 41 135	.690"	.300"	105
	180	HGHP 41 180	.824"	.300"	135
	220	HGS 41 220	.802"	.300"	Solid- 100%
.44	150	HGHP 44 150	.674"	.325"	95
	200	HGHP 44 200	.834"	.325"	150
	240	HGS 44 240	.831"	.325"	Solid- 100%
.45	150	HGHP 45 150	.624"	.312"	95
	200	HGS 45 200	.618"	.312"	Solid- 100%
	240	HGHP 45 240	.890"	.367"	180
	240	HGHP 45 240 FA97	.897"	.315"	
	300	HGS 45 300	.910"	.367"	Solid- 100%
	300	HGS 45 300 FA97	.913"	.315"	Solid- 100%
.475	220	HGHP 475 220	.771"	.350"	160
	280	HGHP 475 280	.927"	.350"	215
	340	HGS 475 340	.929"	.350"	Solid- 100%
.500	340	HGHP 500 340	1.006"	.470"	280
	400	HGS 500 400	.994"	.470"	Solid- 100%
.510	350	HGHP 510 350	.944"	.470"	
	410	HGS 510 410	.982"	.470"	Solid- 100%

1. The bullet projection length is the distance from the SealTite Band® to the tip of the bullet.





CuRx™ 22LR Reloading Kits

Solid Copper, Lead Free



Caliber	Grains	Minimum Required Twist	Part Number	G1 BC	G7 BC	OAL	Bullet ¹ Projection	COAL when loaded
.22LR	32gr	1-16"	22lr 32gr FN Bundle	.105 - .111		.478"	.375"	.988"
	42gr	1-10"	22lr CuRx 42gr Bundle	.187	.113	.724"	.621"	1.234"
	50gr	1-7"	22lr CuRx 50gr Bundle	.214	.139	.820"	.717"	1.33"

1. The bullet projection length is the distance from the SealTite Band® to the tip of the bullet.



Muzzleloader Raptor Bullets

Solid Copper, Lead Free



Caliber	Grains	Required Twist	Part Number	OAL w/o Tip	OAL w/ Tip	Diameter w/o Sabot
.40	240		MZL 400 240	1.128"		.400
.50	160	1-30"	MZL 50 160	.627"	.868"	.4515
	250	1-28"	MZL 50 250	.882"	1.123"	.4515
	300	1-26"	MZL 50 300	1.040"	1.040"	.4515

1. The bullet projection length is the distance from the SealTite Band® to the tip of the bullet.



Fully Loaded Rifle Ammo

Solid Copper, Lead Free
 MAXIMUS™ Hunting 0 - 1,000 Yards
 RAPTOR™ Hunting 0 - 500 Yards



Caliber	Grains	Part Number	Description	Count	Velocity
.243 Win	77	.243 Win 77gr MAXIMUS	.243 Win Loaded with 77gr MAXIMUS Ammunition	20	3,150 - 3,200fps
6.5 Grendel	105	6.5 Grendel 105gr MAXIMUS	6.5 Grendel Loaded with 105gr MAXIMUS Ammunition	20	2383fps
6.5 Creedmoor	125	6.5 Creedmoor 125gr MAXIMUS	6.5 Creedmoor 125gr MAXIMUS	20	2681fps
.270 Win	125	.270 Win 125gr MAXIMUS	.270 Win Loaded with 125gr MAXIMUS Ammunition	20	2,950 - 3,000fps
7mm Rem	152	7mm Rem 152gr MAXIMUS	7mm Rem Loaded with 152gr MAXIMUS Ammunition	20	3,000 - 3,050fps
.308 Win	150	.308 Win 150gr MAXIMUS	.308 Win Loaded with 150gr MAXIMUS Ammunition	20	2850fps
30-06	180	30-06 180gr MAXIMUS	30-06 Loaded with 180gr MAXIMUS Ammunition	20	2,650 - 2,700fps
30-30	110	30-30 135gr FB Lever Cu Raptor	30-30 Loaded with 135gr Flat Base Copper Lever Raptor Ammunition	20	2,650 - 2,700fps



PHD Handgun Ammunition

Solid Copper, Lead Free
 Personal Home Defense, Concealed Carry



Caliber	Grains	Part Number	Description	Count	Velocity
.380	75	PHD 380ACP 75	Personal Home Defense	20	973fps
9mm	90	PHD 9MM 90	Personal Home Defense	20	1,303fps
.357 Mag	140	PHD 357 Mag 140	Personal Home Defense	20	1,290fps
	160	PD 357 Mag 165	Personal Defense - Solid	20	1,090fps
.40	120	PHD 40SW 120	Personal Home Defense	20	1,155fps
10mm	190	PD 10mm 190	Personal Defense - Solid	20	1,110fps
.45	150	PHD 45ACP 150	Personal Home Defense	20	1,060fps



TALON TIPS FOR ESP & DANGEROUS GAME BULLETS

Caliber	Part Number	Description	Length
.224	TALON A	Talon Tip for .22Cal ESP Bullets	
.243	TALON F	Talon Tip for .243 (6mm) ESP Bullets	.280"
.257	TALON I	Talon Tip for 25Cal ESP Bullets	
.264	TALON G	Talon Tip for .264Cal (6.5mm) ESP Bullets	.300"
.270	TALON H	Talon Tip for .270Cal ESP Bullets	.168"
.284	TALON J	Talon Tip for .284Cal (7mm) ESP Bullets	.317"
.308	TALON C ER	Talon Tip for 30Cal ESP Bullets	.380"
.308	TALON LZR 308	Talon Tip for .308Cal Lazer Bullets	.174"
.311	TALON CM	Talon Tip for .311Cal ESP Bullets	.380"
.338	TALON D	Talon Tip for .338Cal ESP Bullets	.419"
.338/.375	TALON LZR 338	Talon Tip for .338 and .375 Cal Lazer Bullets	.218"
.358/.366	TALON E/N	Talon Tip for .358 and .366 (9.3) Cal ESP & DGBR Bullets	.306"
.375	TALON L	Talon Tip for .375Cal ESP & DGBR Bullets	.287"
.400/.44	TALON MAXIMUS 44	Talon Tip for .400 & .44 Cal MAXIMUS Bullets	.133"
.409	TALON Q	Talon Tip for .409Cal ESP & DGBR Bullets	
.416	TALON R	Talon Tip for .416Cal ESP & DGBR Bullets	.332"
.423	TALON K	Talon Tip for .423Cal ESP & DGBR Bullets	.313"
.44	TALON HG-44	Talon Tip for 44Cal Handgun Raptors	.250"
.45	TALON HG-45	Talon Tip for 45Cal Handgun Raptors & 160gr MZL Raptors	.241"
.45	TALON MAXIMUS 45	Talon Tip for .45 Cal MAXIMUS Bullets	.090"
.458	TALON S	Talon Tip for .457/.458Cal ESP & DGBR Bullets	.349"
.474	TALON T	Talon Tip for ESP & DGBR Bullets	
.500	TALON W	Talon Tip for ESP & DGBR Bullets	.375"
.510	TALON X	Talon Tip for ESP & DGBR Bullets	.375"
.585/.620	TALON Y/Z	Talon Tip for .585 and .620 Cal DGBR Bullets	.364"