



## Bore, Groove and Twist



The specifications below are drawn from CIP, SAAMI and other sources and are the guidelines we use for manufacturing our GS Custom bullets.

Calibre	Bore	Groove	Twist		Bore	Groove	Twist
	-----mm-----				-----inches-----		
.177 Rem	4.27	4.37	1:229		0.168	0.172	1:9
Calibre	Bore	Groove	Twist		Bore	Groove	Twist
	-----mm-----				-----inches-----		
.204	5.029	5.169	1:305		0.1980	0.2035	1:12
5mm Rem Mag	5.07	5.19	1:305		0.1996	0.2043	1:12
5.6x35R	5.35	5.58	1:360		0.211	0.220	1:14.2
.22LR	5.38	5.58	1:406		0.212	0.220	1:16
.22 Hornet	5.51	5.64	1:406		0.217	0.222	1:16
.22 PPC USA	5.53	5.66	1:355		0.218	0.223	1:14
5.6x57	5.54	5.69	1:250		0.218	1.224	1:9.8
5.6x57R	5.54	5.69	1:250		0.218	0.224	1:9.8
.224 Weatherby Mag	5.54	5.69	1:356		0.218	0.224	1:14
.223 Rem	5.56	5.69	1:305		0.219	0.224	1:12
5.6x50 Mag	5.56	5.69	1:350		0.219	0.224	1:13.8
5.6x50 Mag/R	5.56	5.69	1:350		0.219	0.224	1:13.8
.220 Swift	5.56	5.69	1:356		0.219	0.224	1:14
.222 Rem	5.56	5.69	1:356		0.219	0.224	1:14
.22-250	5.56	5.69	1:356		0.219	0.224	1:14
.219 Zipper	5.56	5.69	1:406		0.219	0.224	1:16
5.6x61 SE v H	5.58	5.76	1:220		0.220	0.227	1:8.66
.22 Savage	5.61	5.74	1:305		0.221	0.226	1:12
Calibre	Bore	Groove	Twist		Bore	Groove	Twist
	-----mm-----				-----inches-----		
.240 Weatherby Mag	6.02	6.17	1:254		0.237	0.243	1:10
.243 Win	6.02	6.17	1:254		0.237	0.243	1:10
.244 H&H	6.02	6.22	1:255		0.237	0.245	1:10
.25-35	6.35	6.50	1:203		0.250	0.256	1:8
.25-06	6.35	6.53	1:254		0.250	0.257	1:10
.250 Savage	6.35	6.53	1:356		0.250	0.257	1:14
.257 Weatherby Mag	6.36	6.53	1:254		0.250	0.257	1:10
6.5x65 RWS	6.45	6.70	1:200		0.254	0.264	1:7.9
6.5x57	6.45	6.70	1:200		0.254	0.264	1:7.9
6.5x68	6.45	6.70	1:250		0.254	0.264	1:9.8
.260 Rem	6.50	6.71	1:229		0.256	0.264	1:9
.264 Win Mag	6.50	6.71	1:229		0.256	0.264	1:9
6.5x55 Swedish Mauser	6.50	6.73	1:220		0.256	0.265	1:8.7
6.5x54 Mannl. Schön.	6.48	6.78	1:200		0.255	0.267	1:7.9
.270 Win	6.86	7.04	1:254		0.270	0.277	1:10
.270 Weatherby Mag	6.87	7.04	1:254		0.270	0.277	1:10



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	mm				inches		
7mm Weatherby Mag	7,02	7,21	1:254		0.276	0.284	1:10
7mm Rem Mag	7,04	7,21	1:241		0.277	0.284	1:9.5
7-08	7,04	7,21	1:241		0.277	0.284	1:9.5
.280 Rem	7,04	7,21	1:254		0.277	0.284	1:10
7x61 Super	7,00	7,22	1:229		0.276	0.284	1:9
7x64	6,98	7,24	1:220		0.275	0.285	1:8.7
7x57	6,98	7,24	1:220		0.275	0.285	1:8.7
.275 HV Rigby	6,97	7,25	1:203		0.274	0.285	1:8
.275 Belted NE	7,04	7,28	1:255		0.277	0.287	1:10
.280 Ross	7,05	7,30	1:220		0.278	0.288	1:8.7
7.5x55 Swiss	7,54	7,77	1:270		0.297	0.306	1:10.6
.300 Lapua Mag	7,62	7,82	1:240		0.300	0.308	1:9.4
.300 H&H	7,61	7,82	1:254		0.300	0.308	1:10
.300 Win Mag	7,62	7,82	1:254		0.300	0.308	1:10
.308 Norma	7,62	7,82	1:254		0.300	0.308	1:10
.30-06	7,62	7,82	1:254		0.300	0.308	1:10
.30 R Blaser	7,62	7,82	1:305		0.300	0.308	1:12
.308 Win	7,62	7,82	1:305		0.300	0.308	1:12
.30-30 Win	7,62	7,82	1:305		0.300	0.308	1:12
.300 Weatherby Mag	7,63	7,82	1:254		0.300	0.308	1:10
.300 Savage	7,62	7,82	1:305		0.300	0.308	1:12
7.62x39	7,62	7,92	1:240		0.300	0.312	1:9.4
7.62x54R	7,62	7,92	1:240		0.300	0.312	1:9.4
.303 BR	7,70	7,98	1:254		0.303	0.314	1:10
8x57J	7,80	8,07	1:240		0.307	0.318	1:9.4
8x64	7,80	8,07	1:240		0.307	0.318	1:9.4
8x64S	7,89	8,20	1:240		0.311	0.323	1:9.4
8x68S	7,89	8,20	1:280		0.311	0.323	1:11
8x57JS	7,89	8,20	1:240		0.311	0.323	1:9.4
8x60S	7,89	8,20	1:240		0.311	0.323	1:9.4
Calibre	Bore	Groove	Twist		Bore	Groove	Twist
	mm				inches		
8mm Rem Mag	8,00	8,20	1:254		0.315	0.323	1:10
.318 WR	8,07	8,38	1:305		0.318	0.330	1:12
.318 Rimless NE	8,07	8,38	1:305		0.318	0.330	1:12
338 Lapua Mag	8,38	8,58	1:254		0.330	0.338	1:10
8.5x64	8,38	8,59	1:254		0.330	0.338	1:10
.340 Weatherby Mag	8,38	8,59	1:254		0.330	0.338	1:10
.338 Win Mag	8,38	8,59	1:254		0.330	0.338	1:10
.350 Mag Rigby	8,89	9,06	1:305		0.350	0.357	1:12
9x57	8,78	9,06	1:360		0.346	0.357	1:14.2
.35 Winchester	8,89	9,09	1:355		0.349	0.357	1:16
.35 Remington	8,89	9,09	1:406		0.349	0.357	1:16
.35 Whelen	8,86	9,07	1:406		0.349	0.357	1:16
.350 Rem Mag	8,86	9,07	1:406		0.349	0.357	1:16
.358 Norma	8,89	9,10	1:305		0.350	0.358	1:12



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	----- mm -----				----- inches -----		
9.3x64	9,00	9,28	1:360		0.354	0.365	1:14.2
9.3x62	9,00	9,28	1:360		0.354	0.365	1:14.2
9.3x57	9,00	9,28	1:360		0.354	0.365	1:14.2
9.5x57 M.-Sch.	9,27	9,62	1:300		0.365	0.379	1:11.8
.375 Weatherby Mag	9,35	9,53	1:305		0.368	0.375	1:12
.378 Weatherby Mag	9,32	9,53	1:305		0.367	0.375	1:12
.375 H&H	9,30	9,55	1:305		0.366	0.376	1:12
.375 WR	9,30	9,55	1:305		0.366	0.376	1:12
9.5x66 SE v H	9,30	9,55	1:305		0.366	0.376	1:12
<b>Calibre</b>	<b>Bore</b>	<b>Groove</b>	<b>Twist</b>		<b>Bore</b>	<b>Groove</b>	<b>Twist</b>
	----- mm -----				----- inches -----		
.408 Win	10,15	10,33	1:356		0.400	0.407	1:14
.408 Chey-Tac	10,185	10,363	1:330		0.401	0.408	1:13
.450/400 N.E. 3"	10,16	10,41	1:381		0.400	0.410	1:15
.405 Win	10,29	10,49	1:356		0.405	0.413	1:14
.416 Weatherby Mag	10,36	10,57	1:356		0.408	0.416	1:14
.416 Rigby	10,36	10,57	1:420		0.408	0.416	1:16.5
.404 Rimless NE	10,41	10,62	1:420		0.410	0.418	1:16.5
10.75x68	10,45	10,75	1:420		0.411	0.423	1:16.5
.444 Marlin	10,77	10,92	1:965		0.424	0.430	1:38
<b>Calibre</b>	<b>Bore</b>	<b>Groove</b>	<b>Twist</b>		<b>Bore</b>	<b>Groove</b>	<b>Twist</b>
	----- mm -----				----- inches -----		
.45-70 Gov't	11,43	11,58	1:508		0.450	0.456	1:20
.450 Rigby	11,43	11,63	1:420		0.450	0.458	1:16.5
.460 Weatherby Mag	11,43	11,63	1:406		0.450	0.458	1:16
.458 Win Mag	11,43	11,63	1:356		0.450	0.458	1:14
.470 NE	11,85	12,05	1:533		0.467	0.474	1:21
.475 No2 – NE 31/2"	12,06	12,37	1:457		0.475	0.487	1:18
<b>Calibre</b>	<b>Bore</b>	<b>Groove</b>	<b>Twist</b>		<b>Bore</b>	<b>Groove</b>	<b>Twist</b>
	----- mm -----				----- inches -----		
.505 Gibbs	12,55	12,80	1:406		0.494	0.504	1:16
.50 BMG	12,69	12,94	1:250		0.500	0.509	1:9.8
.50 BMG	12,69	12,94	1:381		0.500	0.509	1:15
12.7x70 Sch	12,70	12,94	1:450		0.500	0.509	1:17.7
.500 Jeffrey	12,70	12,97	1:508		0.500	0.510	1:20
.500 N.E. 3"	12,70	13,00	1:381		0.500	0.512	1:15
<b>Calibre</b>	<b>Bore</b>	<b>Groove</b>	<b>Twist</b>		<b>Bore</b>	<b>Groove</b>	<b>Twist</b>
	----- mm -----				----- inches -----		
.550 Magnum	13,72	13,97	1:457		0.540	0.550	1:18
<b>Calibre</b>	<b>Bore</b>	<b>Groove</b>	<b>Twist</b>		<b>Bore</b>	<b>Groove</b>	<b>Twist</b>
	----- mm -----				----- inches -----		
.577 Snider	14,23	14,58	1:508		0.560	0.574	1:20
.577 NE	14,55	14,78	1:762		0.573	0.582	1:30
<b>Calibre</b>	<b>Bore</b>	<b>Groove</b>	<b>Twist</b>		<b>Bore</b>	<b>Groove</b>	<b>Twist</b>
	----- mm -----				----- inches -----		
.600 NE	15,34	15,57	1:762		0.604	0.613	1:30
<b>Calibre</b>	<b>Bore</b>	<b>Groove</b>	<b>Twist</b>		<b>Bore</b>	<b>Groove</b>	<b>Twist</b>
	----- mm -----				----- inches -----		
.700 NE	17,48	17,78	1:737		0.688	0.700	1:29