

Calibre	CIP/SAAMI Maximum Pressure	Assumed Case Capacity grains H2O	Bullet ** May exceed 'standard' magazine length dimensions	Minimum Required Twist in Inches or faster	Gyroscopic Stability (Sg) @ Sea Level Std 15° C & 1013 mb	Cartridge Overall Length mm	ADI Powder	Primer	Temp. °C	Min Charge @ 0° C Max Charge @ 38.8° C	Comments <i>All OEP's are assumed to have a Shot Start Initiation Pressure (SSIP) of 3,626 psi</i>
22 Hornet (0.224")	43,511 (Modern Rifles)	14.5	224-14-36 BBT	14		43.69	2205	CCI S/P Mag	20	10.5 - 11.2	For Modern Rifles Only - Old rifle specs: 16" twist barrels & 0.222" cal. Do not use in old specification rifles
222 Rem	53,664	26.9	224-14-36 BBT	14	1.50	51.12	2207	Fed 205 M	20	21.5 - 22.1	
22-250	58,740	43.5	224-14-36 BBT	14	1.56	56.50	2219	Fed 210 M	20	34.5 - 35.8	
223 Rem	62,366	30.1	224-14-36 BBT	14	1.50	52.62	BM2	Fed 205 M	20	27.0 - 27.9	Lapua brass used exclusively
			224-9-51 BBT	9	1.65	57.40	BM2	Fed 205 M	20	24.9 - 25.7	
			224-8-57 BBT	8	1.76	57.40	BM2	Fed 205 M	20	24.0 - 25.0	
6 mm Br Norma	58,740	37.8	243-8-73.5 T	8	1.61	57.37	BM 8208	Fed 205 M	20	30.0 - 30.9	Lapua brass used exclusively
			243-8-81 T	8	1.58	61.36	2206 H	Fed 205 M	20	30.6 - 31.6	
			243-7-87 T	7	1.57	59.47	2208	Fed 205 M	20	29.5 - 30.4	
			243-7-89 T	7	1.61	62.99	2206 H	CCI BR4	20	29.4 - 30.5	
			243-7-89 T	7	1.61	62.99	2208	CCI BR4	20	29.8 - 31.0	
243 Win	60,191	52.8	243-10-65 BBT	10	1.51	67.92	2208	Fed 215 M	20	40.6 - 42.2	
			243-10-65 BBT	10	1.51	67.92	2206 H	Fed 215 M	20	39.5 - 40.9	
			243-10-69 BBT	10	1.50	70.00	2208	Fed 215 M	20	40.8 - 42.2	
			243-10-69 BBT	10	1.50	70.00	2206 H	Fed 215 M	20	39.4 - 40.1	
			243-9-72 BBT	9	1.57	70.00	2208	Fed 215 M	20	39.5 - 40.8	
			243-9-72 BBT	9	1.57	70.00	2206 H	Fed 215 M	20	38.6 - 40.0	
			243-8-80 BBT	8	1.56	70.48	2208	Fed 215 M	20	38.3 - 40.0	
			243-8-80 BBT	8	1.56	70.48	2209	Fed 215 M	20	44.3 - 45.7	
			243-7-90 BBT	7	1.64	71.77	2209	Fed 215 M	20	42.6 - 43.9	
			243-7-90 T	7	1.64	74.27	2209	Fed 215 M	20	43.3 - 44.6	
6 mm Creedmoor	62,000	51.0	243-7-90 T	7.5	1.50	70.85	2213 SC	Fed 210	20	44.5 - 45.5	
			243-7-90 T	7.5	1.50	70.85	2209	Fed 210	20	42.5 - 43.8	
6 mm Remington	62,366	54.4	243-9-72 BBT	9	1.60	71.96	2208	Fed 210 M	20	42.0 - 43.6	
257 Roberts + P	58,000 (Modern Rifles)	56.0	257-10-80 BBT	10	1.54	73.12	2208	Fed 210 M	20	42.6 - 44.4	
25-06 Rem	60,000	65.8	257-10-80 BBT	10	1.58	79.62	2209	Fed 210 M	20	54.0 - 57.4	Max pressure 60,000 psi - not 65,000
257 Weatherby Mag.	63,817	84.0	257-10-80 BBT	10	1.61	81.14	2213 SC	Fed 215 M	20	70.0 - 72.1	
6.5 x 47	63,091	48.0	264-8-110 T	8	1.51	68.34	BM 8208	Fed 210 M	20	34.8 - 36.2	Lapua brass used exclusively
			264-8-112 HP	8	1.61	66.00	BM 8208	Fed 210 M	20	34.2 - 35.6	
6.5 Creedmoor	63,091	53.5 Hornady	265-8.5-103 HP	8.5	1.66	67.77	2206 H	Fed 210 M	20	40.3 - 41.8	Hornady Brass
		53.5 Hornady	265-8.5-105 BBT	8.5	1.66	68.27	2208	Fed 210 M	20	40.2 - 42.1	Hornady Brass
		53.5 Hornady	264-8-112 HP	8	1.61	67.77	2208	Fed 210 M	20	39.0 - 40.6	Hornady Brass
		53.5 Hornady	264-8-113 BBT	8	1.61	68.27	2208	Fed 210 M	20	39.0 - 40.6	Hornady Brass
		51.5 Lapua	264-8-119 T	8	1.60	70.40	2208	CCI 400 SRP	20	38.5 - 39.5	Lapua Brass
		53.5 Hornady	264-8-119 T	8	1.60	70.40	2208	CCI 400 SRP	20	38.5 - 40.8	Hornady Brass
		53.5 Hornady	264-7-127.5 T	7	1.54	74.27	2208	Fed 210 M	20	37.4 - 39.0	Hornady Brass
		53.5 Hornady	264-7-139 BBT	7	1.61	74.27	2209	Fed 210 M	20	43.0 - 44.3	Hornady Brass
260 Rem	60,191	53.5	264-8-119 T	8	1.52	72.90	2208	Fed 210 M	20	37.5 - 39.0	Lapua brass used exclusively
			264-8-112 HP OEP	8	1.62	70.56	2208	Fed 210 M	20	38.4 - 40.0	
			264-8-113 HP OEP	8	1.62	70.06	2208	Fed 210 M	20	38.5 - 40.0	
6.5 x 55 Swede	55,114	57.0	265-8.5-103 HP	8.5	1.59	74.00	2208	Fed 210 M	20	40.7 - 42.3	Lapua brass used exclusively

			265-8.5-103 HP	8.5	1.59	74.00	2209	Fed 210 M	20	46.6 - 48.1	
			265-8.5-105 BBT	8.5	1.61	74.50	2208	Fed 210 M	20	40.7 - 42.2	
			265-8.5-105 BBT	8.5	1.61	74.50	2209	Fed 210 M	20	46.5 - 48.1	
		Modern Rifles only >	264-8-113 BBT	8	1.60	74.50	2209	Fed 210 M	20	45.5 - 46.8	Modern Rifles only
6.5 x 284	59,465	66.0	264-7-127.5 T	7	1.59		2213SC	Fed 210 M			Call for information
			264-7-130 BBT	7	1.65		2213SC	Fed 210 M			
			264-7-139 BBT	7	1.62		2213SC	Fed 210 M			
6.5/300 Weatherby	65,000	98.0	264-8-113 BBT	8	1.72	91.23	2217	Fed 215 M	20	79.5 - 81.4	
270 Win	62,366	67.0	277-10-110 HP	10	1.65	83.52	2209	Fed 210 M	20	56.0 - 57.0	
			277-10-120 BBT	10	1.55	83.77	2213SC	Fed 210 M	20	58.0 - 59.8	
			277-10-132 BBT	10	1.55	84.02	2213SC	Fed 210 M	15	56.4 - 58.5	
			277-10-132 BBT	10	1.55	84.02	2209	Fed 210 M	15	52.5 - 54.5	
270 WSM	63,817	79.5	277-10-120 BBT	10	1.60	72.34	2209	Fed 215 M	15	63.8 - 64.9	
			277-10-120 BBT	10	1.59	72.34	2213SC	Fed 215 M	20	66.3 - 68.2	
			277-10-132 BBT	10	1.57	72.09	2213SC	Fed 215 M	20	64.3 - 66.3	
270 Weatherby	63,817	82.0	277-10-132 BBT	10	1.58	83.74	2213SC	Fed 215 M	20	66.0 - 67.9	
7-08 Rem	60,191	55.0	284-10-120 BBT	10	1.59	70.19	2206 H	Fed 210 M	20	41.2 - 42.6	
			284-9.5-130 HP & BBT	9.5	1.66	70.69	2206 H	Fed 210 M	20	40.3 - 41.8	
7 x 57 (US 0.284 Spec.)	CIP 56,565 Modern Rifles Only	59.2	284-9.5-130 BBT	9.5	1.66	76.00	2208	Fed 210 M	15	42.5 - 44.1	
			284-9.5-130 BBT	9.5	1.66	76.00	2209	Fed 210 M	20	49.5 - 50.0	
			284-9-132 HP	9	1.70	76.00	2208	Fed 210 M	20	42.4 - 44.0	
284 Win	63,817	Win. Brass 65.68	284-8-150 T	8	1.57		2209	Fed 210 M			Call for information
			284-8-150 BBT	8	1.69		2209	Fed 210 M			
			284-7-160 BBT	7.5	1.56		2209	Fed 210 M			
280 AI	58750	74.0	284-9.5-130 HP & BBT	9.5	1.66	83.52	2213 SC	Fed 215 M	20	61.2 - 62.9	
			284-9-132 HP & BBT	9	1.77	83.52	2213 SC	Fed 215 M	20	60.5 - 62.3	
7 mm Rem Mag	62366	82.0	284-9.5-130 HP & BBT	9.5	1.69	82.50	2213 SC	Fed 215 M	20	65.4 - 66.0	
			284-9-132 HP	9	1.74	82.50	2213 SC	Fed 215 M	20	66.2 - 68.4	
			284-8.5-150 BBT	8.5	1.48	87.37*	2213 SC	Fed 215 M	20	64.6 - 66.7	
7 mm Dakota	59465	89.0	284-9.5-130 HP & BBT	9.5	1.74	82.25	2213 SC	Fed 215 M	20	70.0 - 72.3	
			284-9.5-130 HP & BBT	9.5	1.74	82.25	2217	Fed 215 M	20	76.4 - 78.1	
7 mm RUM	63817	112.0	284-9.5-130 HP & BBT	9.5	1.73	91.39	2217	Fed 215 M	20	90.0 - 91.1	
308 Win	CIP 60,191 SAAMI 62,000	54.4	308-12-135 HP	12	1.59	69.66	2219	Fed 210 M	20	40.1 - 41.7	Lapua brass used exclusively
			308-12-135 HP	12	1.59	69.66	2206 H	Fed 210 M	20	43.3 - 44.6	
			308-11-140 HP & BBT	11	1.78	69.66	2206 H	Fed 210 M	20	42.7 - 44.4	
			308-11-140 HP & BBT	11	1.82	69.66	BM 8208	Fed 210 M	20	41.8 - 43.3	
			308-11-150 HP	11	1.90	69.66	2206 H	Fed 210 M	15	42.1 - 43.4	
			308-11-150 T	11	1.50	72.24	2206 H	Fed 210 M	20	41.9 - 43.3	
			308-11-155 T RBT	11	1.53	71.88	2206 H	Fed 210 M	20	41.3 - 42.7	
			308-11-155 T RBT	11	1.53	71.88	BM 8208	Fed 210 M	20	40.7 - 42.1	
			308-10-155 T **	10	1.50	74.06	2206 H	Fed 210 M	20	41.1 - 42.5	
			308-10-160 BBT	10	1.78	70.16	2206 H	Fed 210 M	20	39.9 - 41.3	41.5 Personal load for S H 25" BBL
			308-9-175 T **	9	1.64	78.86	2206 H	Fed 210 M	20	40.0 - 41.7	
			308-9-175 T **	9	1.64	78.86	2208	Fed 210 M	20	41.2 - 43.0	
30-06 Springfield	58,740	68.2	308-11-140 HP & BBT	11	1.81	81.85	2208	Fed 210 M	20	51.5 - 53.6	

			308-11-150 HP	11	1.85	81.85	2208	Fed 210 M	20	50.5 - 52.3	Lapua brass used exclusively
			308-10-160 BBT	10	1.79	82.35	2208	Fed 210 M	20	48.5 - 50.3	
300 WSM	63,817	81.3	308-11-140 HP & BBT	11	1.83	71.59	2208	Fed 210 M	20	59.5 - 61.5	
			308-10-160 BBT	10	1.83	72.09	2208	Fed 210 M	20	57.5 - 58.6	
			308-10-160 BBT	10	1.83	72.09	2209	Fed 210 M	20	66.3 - 66.5	
300 RCM	65,000	75.0	308-11-140 HP & BBT	11	1.85	71.59	2208	Fed 210 M	20	57.0 - 58.4	
			308-7-208 T **	7	1.84	83.52	2209	Fed 210 M	20	58.0 - 60.0	
			308-7-215 T **	7	1.79	85.09	2209	Fed 210 M	20	57.7 - 59.6	
300 Win Mag	62,366	93.8	308-12-135 HP	12	1.64	85.05	2213 SC	Fed 215 M	20	80.0 - 81.6	Caution! Winchester brass used. Case capacity varies by brand
		Winchester Brand Brass	308-11-140 HP & BBT	11	1.90	85.05	2213 SC	Fed 215 M	20	79.3 - 81.6	
			308-11-150 HP	11	2.01	85.05	2213 SC	Fed 215 M	20	78.5 - 80.5	
			308-11-155 T ** RBT	11	1.55	87.27	2213 SC	Fed 215 M	20	77.5 - 79.6	
			308-10-155 T **	10	1.51	89.45	2213 SC	Fed 215 M	20	77.5 - 79.4	
			308-10-160 BBT	10	1.89	85.55	2213 SC	Fed 215 M	15	75.7 - 76.3	
			308-9-175 T **	9	1.50	94.25	2213 SC	Fed 215 M	15	75.3 - 77.5	
		Single Shot Only 95.5	308-8-198 T **	8	1.56	94.95	2217	Fed 215 M	20	78.7 - 80.8	
			308-7-208 T **	7.5	1.66	96.98	2217	Fed 215 M	20	78.0 - 80.1	
			308-7-215 T **	7	1.83	98.55	2217	Fed 215 M	20	77.5 - 79.7	
300 Weatherby	63,817	98.9	308-10-150 HP	10	2.42	90.23	2213 SC	Fed 215 M	20	81.5 - 84.1	
			308-10-160 BBT	10	1.89	91.73	2213 SC	Fed 215 M	20	79.5 - 82.2	
			308-10-160 BBT	10	1.89	91.73	2217	Fed 215 M	20	86.0 - 88.9	
300 Norma	63,817	Norma	308-9-175 T	9	1.55	90.95	2217	Fed 215 M	20	88.5 - 90.7	Brand Brass
			308-8.5-195 BBT	8.5	1.76	89.61	2217	Fed 215 M	20	84.7 - 86.8	
			308-8-198 T	8	1.57	92.35	2217	Fed 215 M	20	84.7 - 86.9	
		102.3	308-8-205 BBT	8	1.74	91.70	2225	Fed 215 M	20	87.7 - 89.8	
			308-7-208 T	7.5	1.69	93.68	2225	Fed 215 M	20	87.5 - 89.3	
			308-7-215 BBT	7.5	1.75	93.57	2225	Fed 215 M	15	86.7 - 88.5	
			308-7-215 T	7.5	1.61	94.30	2225	Fed 215 M	15	86.7 - 88.6	
300 Rem Ultra Mag	64,977	115.1	308-11-140 BBT	11	1.89	90.89	2217	Fed 215 M	20	98.2 - 100.6	
			308-11-150 HP	11	1.87	90.89	2217	Fed 215 M	20	97.0 - 99.0	
			308-10-160 BBT	10	1.87	91.39	2217	Fed 215 M	20	94.5 - 96.7	
			308-9-175 BBT	9	1.73	97.24	2217	Fed 215 M	20	91.5 - 93.8	
			308-8-205 BBT	8	1.80	99.26	2225	Fed 215 M	20	91.0 - 93.3	
325 WSM	63,817	81.8	323-11-180 HP US	11	1.74	72.19	2208	Fed 210 M	20	57.2 - 58.0	
8 mm Mauser (J5)	56,565	63.0	323-11-173 HP EU	11	1.79	77.00	2206 H	Fed 210 M	20	45.2 - 46.9	
338 Federal	62,366	57.5	338-12-161 HP	12	2.16	70.16	2219	Fed 210 M	20	45.1 - 46.4	
338-06	65,000	69.0	338-12-161 HP	12	3.15	82.35	2206 H	Fed 210 M	20	56.0 - 58.0	
			338-11-212 HP	11	1.77	82.45	2206 H	Fed 210 M	20	48.8 - 50.5	
338 RCM	62,004	71.0	338-12-161 HP	12	2.19	69.80	2206 H	Fed 210 M	15	56.7 - 58.5	
			338-11-212 HP	11T	1.76	69.90	2208	Fed 210 M	15	50.0 - 51.8	
338 Win Mag	62,366	86.0	338-10-212 HP	10	2.17	82.60	2209	Fed 215 M	20	68.1 - 70.4	
			338-10-230 HP Win Mag	10	1.85	83.70	2209	Fed 215 M	20	66.1 - 68.1	
338 Lapua	60,916	108.0 Lapua	338-10-231 T **	10	1.51	98.00	2217	Fed 215 M	20	91.0 - 93.3	
		113.2 RUAG/Norma	338-10-231 T **	10	1.51	98.00	2217	Fed 215 M	20	94.0 - 96.7	
		108.0 Lapua	338-10-234 BBT	10	1.69	93.50	2217	Fed 215 M	20	88.8 - 91.4	

		113.2 RUAG/Norma	338-10-234 BBT	10	1.69	93.50	2217	Fed 215 M	20	92.4 - 94.8	
		108.0 Lapua	338-10-239 HP **	10	1.68	95.97	2217	Fed 215 M	20	89.9 - 92.2	
		113.2 RUAG/Norma	338-10-239 HP **	10	1.69	95.97	2217	Fed 215 M	20	93.0 - 95.5	
		108.0 Lapua	338-9-255 T **	9	1.53	101.90	2225	Fed 215 M	20	93.0 - 95.3	
		113.2 RUAG/Norma	338-9-255 T **	9	1.53	101.90	2225	Fed 215 M	20	96.3 - 98.5	
338 Rum	63,817	110.0	338-10-234 BBT **	10	1.68	94.40	2217	Fed 215 M	20	91.0 - 93.2	
338 Edge	63,817	113.0	338-10-234 BBT **	10	1.69	96.69	2217	Fed 215 M	15	93.5 - 95.4	
			338-9-255 T **	9	1.50	105.09	2217	Fed 215 M	20	92.0 - 94.9	Will @ Brewarrina 30"
35 Whelen	58,015	70.2	358-14-196 HP	14	1.81	82.69	2219	Fed 210 M	20	51.3 - 53.0	
9.3 x 62	56,565	78.0	366-14.2-229 HP	14	1.57	81.58	2206 H	Fed 210 M	20	55.0 - 56.8	Lapua brass used exclusively
375 H&H	62,366	95.3	375-12-200 BBT	12	3.67	91.42	2206 H	Fed 215 M	20	74.0 - 76.5	Winchester brass
			375-12-265 BBT	12	2.45	91.42	2208	Fed 215 M	20	65.0 - 68.0	(Winchester brass)
			375-12-270 BBT	12	4.19	89.42	2208	Fed 215 M	20	68.0 - 69.0	(Winchester brass)
		92.9 (Sako brass)	375-12-265 BBT	12	2.45	91.42	2208	Fed 215 M	39	62.2 - 66.9	Tropical Load (Sako brass)
			375-12-270 FNS	12	4.19	89.42	2208	Fed 215 M	35	66.5 - 67.3	Tropical Load (Sako brass)
375 Ruger	62,004	99.0	375-12-265 HP	12	2.45	84.13	2209	Fed 210 M	20	77.8 - 79.5	
375 RUM	63,817	117.0	375-12-265 BBT	12	2.54	91.19	2213 SC	Fed 215 M	20	93.0 - 96.2	
375 Cheytac	63,817	168.0	375-10-350 T	10	1.61	111.0	2225	Fed 215 M		120.0 - 123.0	Brad/Mark 44" barrel
416 Remington	62,366	107.0	416-16-323 HP	16	1.79	91.39	2208	Fed 215 M	20	75.5 - 77.8	
416 Rigby	47,137	127.5	416-16-323 HP	16	1.79	92.71	2209	Fed 215 M	20	94.0 - 95.0	
45/70 Ruger No.1/3	50,000 Modern Rifles Only	79.0	458-20-353 FNS	20	3.54	64.00	BM 8208	Fed 210 M		55.0	
458 Win Mag	62,366	95	458-20-353 FNS	14	7.78	84.84	2207	Fed 210 M	30	67.5 - 70.0	Tropical load
50 BMG	53,664	300	510-15-762 M/LE	15	1.66	143.3	2218	BMG	20	237.5	Extremely accurate