

## Case Length

Caliber	Max Length [mm]	Trim Length [mm]	Min Length [mm]
218 Ackley Bee	33,91	33,66	33,40
218 Bee	34,16	33,91	33,66
218 ICL Bobcat	35,00	34,75	34,49
219 Donaldson Wasp	45,97	45,72	45,47
219 ICL Wolverine	51,05	50,80	50,55
219 Stingray	41,40	41,15	40,89
219 Zipper	49,10	48,84	48,59
219 Zipper Imp	47,75	47,50	47,24
22 -R Lovell	41,28	41,02	40,77
22 Ack Hornet	35,64	35,38	35,13
22 BR Rem	39,37	39,12	38,86
22 CCM	29,57	29,31	29,06
22 CHeetah MKI	50,29	50,04	49,78
22 CHeetah MKII	51,31	51,05	50,80
22 Flea	17,40	17,15	16,89
22 Harvey Kay-Chuk	34,29	34,04	33,78
22 Hornet(222 groove=CIP+SAAMI)	35,64	35,38	35,13
22 Hornet(224 groove=custom)	35,64	35,38	35,13
22 ICL Gopher	33,27	33,02	32,77
22 Jet Imp Ackley	32,13	31,88	31,62
22 K-Hornet	35,05	34,80	34,54
22 KSS	38,23	37,97	37,72
22 Krag Short	48,51	48,26	48,01
22 Krag Short-Short	38,35	38,10	37,85
22 Lindahl Chucker	43,18	42,93	42,67
22 Long Rifle, experiment	15,57	15,32	15,06
22 Mashburn Bee	34,04	33,78	33,53
22 Maximum Lovell	41,48	41,22	40,97
22 Maynard Extra Long	29,72	29,46	29,21
22 Newton	56,52	56,26	56,01
22 Nieder Mag	47,75	47,50	47,24
22 PPC USA	38,40	38,15	37,90
22 Picra	35,64	35,38	35,13

22 Rem Jet Mag	32,46	32,21	31,95
22 Savage	52,07	51,82	51,56
22 Savage Imp Ackl	51,69	51,44	51,18
22 Spitfire	32,77	32,51	32,26
22 WCF	35,31	35,05	34,80
22 Waldog	35,23	34,98	34,72
22 Wasp (303)	50,04	49,78	49,53
22 Win Mag RF ,experiment	26,70	26,44	26,19
22-15-60 Stevens	51,05	50,80	50,55
22-243 Win	51,26	51,00	50,75
22-250 Ackley Imp	49,28	49,02	48,77
22-250 Rem (CIP)	48,56	48,31	48,06
22-250 Rem (SAAMI)	48,56	48,31	48,06
22-30 SBS	24,51	24,26	24,00
22-30/30 Ack Imp	51,56	51,31	51,05
22-303 Varmit-R	51,56	51,31	51,05
22/06 Easling	62,61	62,36	62,10
22/06 Short	43,89	43,64	43,38
22/243 Win	51,31	51,05	50,80
22/284 Win	54,99	54,74	54,48
22/30-30 Ack Imp	51,31	51,05	50,80
22/3000 Lovell	41,91	41,66	41,40
22/303 Sprinter	53,34	53,09	52,83
22/350 RemMag	56,77	56,52	56,26
22/6,5 Mannlicher Schoen	54,10	53,85	53,59
220 Howell	60,83	60,58	60,33
220 Jaybird	51,05	50,80	50,55
220 Parker (224-545x39mm)	39,67	39,42	39,17
220 Russian (5,6x39)	38,51	38,25	38,00
220 Swift	56,01	55,75	55,50
220 Swift Ack Imp	56,01	55,75	55,50
220 Weatherby Rocket	57,53	57,28	57,02
221 Rem Fireball	35,48	35,23	34,98
222 'K' Imp	44,70	44,45	44,20
222 Eichhorn Lynx	43,18	42,93	42,67
222 Rem	43,18	42,93	42,67
222 Rem Improved	44,45	44,20	43,94

222 Rem Mag	46,99	46,74	46,48
222 Rem Mag Improved	46,99	46,74	46,48
222 Rimmed	46,99	46,74	46,48
223 Ackley Imp	44,70	44,45	44,20
223 Rem	44,68	44,42	44,17
223 Rem (SAAMI)	44,68	44,42	44,17
223 Rem NATEC PCA Case	44,68	44,42	44,17
223 WSSM	42,24	41,99	41,73
224 BOZ	22,97	22,72	22,47
224 Clark	56,79	56,54	56,29
224 Critser Comet	26,16	25,91	25,65
224 Donaldson Ace	45,85	45,59	45,34
224 Durham Jet	51,97	51,71	51,46
224 HV	21,01	20,75	20,50
224 ICL Marmot	55,37	55,12	54,86
224 Stark	32,77	32,51	32,26
224 VOB (554x235 TUMA)	23,50	23,24	22,99
224 Weath Mag	48,84	48,59	48,34
225 Win	49,00	48,74	48,49
226 Barnes QT	57,15	56,90	56,64
226 JDJ	48,82	48,56	48,31
228 -65 MannlSchoen	53,34	53,09	52,83
228 Ackley Krag	54,48	54,23	53,98
228 Ackley Mag	58,17	57,91	57,66
228 Hawk	56,72	56,46	56,21
228/22-250 R M	48,51	48,26	48,01
228/225 Win	49,02	48,77	48,51
228/257 Rob	56,64	56,39	56,13
228/300 H&H	72,39	72,14	71,88
240 Belt Riml Nitr Exp	63,40	63,14	62,89
240 Cobra	55,83	55,58	55,32
240 Flang Nitro Exp	63,40	63,14	62,89
240 Gibbs	63,53	63,27	63,02
240 Howell	65,91	65,66	65,41
240 Madame	43,59	43,33	43,08
240 Mashburn Falc	63,50	63,25	62,99
240 PSP	56,39	56,13	55,88

240 Super Varminter	64,01	63,75	63,50
240 Weath Mag	63,50	63,25	62,99
243 Ackley Imp	51,94	51,69	51,44
243 Catbird	64,52	64,26	64,01
243 Epps Imp	51,82	51,56	51,31
243 Hornet	35,05	34,80	34,54
243 JS	60,33	60,07	59,82
243 RCBS	52,32	52,07	51,82
243 Rockchucker	56,39	56,13	55,88
243 WSSM	42,09	41,83	41,58
243 Win	51,92	51,66	51,41
244 Durham Mag	57,15	56,90	56,64
244 Gipson	55,50	55,25	54,99
244 H&H Mag Belted	70,51	70,26	70,00
244 Halger Magnum	57,00	56,74	56,49
244 Rem	56,52	56,26	56,01
244 Rem Ackley Imp	59,69	59,44	59,18
244 Rem Mashburn Imp	56,90	56,64	56,39
246 Purdey Flg	56,85	56,59	56,34
25 ACP (635 Browning)	15,54	15,29	15,04
25 Ackley Mag	62,23	61,98	61,72
25 BR	38,81	38,56	38,30
25 Gibbs	63,50	63,25	62,99
25 Hornet	35,05	34,80	34,54
25 ICL Mag	63,50	63,25	62,99
25 Krag	58,42	58,17	57,91
25 Krag Improved	58,42	58,17	57,91
25 NAA	18,97	18,72	18,47
25 Newton	63,25	62,99	62,74
25 Remington	52,07	51,82	51,56
25 Souper	51,18	50,93	50,67
25 Souper Imp	51,69	51,44	51,18
25 WSSM	42,16	41,91	41,66
25-06 Ack Imp	63,40	63,14	62,89
25-06 Rem	63,22	62,97	62,71
25-20 Single Shot	41,40	41,15	40,89
25-20 WinCF	33,76	33,50	33,25
25-21 Stevens	52,07	51,82	51,56
25-25 Stevens	60,20	59,94	59,69
25-284 Win	55,12	54,86	54,61

25-35 ICL Coyote	51,31	51,05	50,80
25-35 Tomcat	51,44	51,18	50,93
25-35 Win	51,82	51,56	51,31
25-35 Win Ackley Imp	52,12	51,87	51,61
25-36 Marlin	51,56	51,31	51,05
25/222 Copperhead	42,16	41,91	41,66
25/300 Win Match	66,55	66,29	66,04
250 Ack Imp (250 Savage)	48,56	48,31	48,06
250 Bennett Mag	51,56	51,31	51,05
250 Cogswell & Harrison	61,47	61,21	60,96
250 Donaldson	53,34	53,09	52,83
250 Durham Mag	58,93	58,67	58,42
250 Howell	65,91	65,66	65,41
250 Savage	48,56	48,31	48,06
255 Rook Rifle	29,21	28,96	28,70
256 Mag Gibbs	55,19	54,94	54,69
256 Newton	61,98	61,72	61,47
256 Win Mag	32,54	32,28	32,03
257 Ack Imp (257 Rob)	56,72	56,46	56,21
257 Arch	54,61	54,36	54,10
257 Baker Mag	64,14	63,88	63,63
257 Jamison	55,88	55,63	55,37
257 Roberts	56,72	56,46	56,21
257 Roberts +P+ (not SAAMI)	56,72	56,46	56,21
257 Roberts Imp	56,72	56,46	56,21
257 STW	72,39	72,14	71,88
257 TCU	44,45	44,20	43,94
257 Ugalde	44,45	44,20	43,94
257 Weath Mag	64,74	64,49	64,24
260 Howell	65,91	65,66	65,41
260 PICRA	38,48	38,23	37,97
260 Rem	51,56	51,31	51,05
264 Jamison	55,88	55,63	55,37
264 Leroy NE	51,21	50,95	50,70
264 RLB TM	42,60	42,34	42,09
264 Win Mag	63,50	63,25	62,99
270 (357)Maximum	40,64	40,39	40,13

270 Ackley Mag	62,48	62,23	61,98
270 Howell	65,91	65,66	65,41
270 Ingram	44,70	44,45	44,20
270 JDJ	48,11	47,85	47,60
270 Jamison	55,88	55,63	55,37
270 Rocket - 225 Win	48,26	48,01	47,75
270 SABI	50,80	50,55	50,29
270 Savage	47,50	47,24	46,99
270 Styria Mag	65,02	64,77	64,52
270 WSM	53,09	52,83	52,58
270 Weath Mag	64,74	64,49	64,24
270 Win (CIP)	64,52	64,26	64,01
270 Win (SAAMI)	64,52	64,26	64,01
270/257 Roberts	56,64	56,39	56,13
270/284 Win	55,88	55,63	55,37
270/300 Weath Mag	71,12	70,87	70,61
270/308 Win	51,18	50,93	50,67
270/338 Win Mag	63,25	62,99	62,74
275 Belted Riml NE H&H	63,50	63,25	62,99
275 Flanged Mag NE H&H	66,29	66,04	65,79
275 HV Rigby (Rimless)	56,90	56,64	56,39
277 GS	67,01	66,75	66,50
280 Ack Imp	64,52	64,26	64,01
280 Flanged NE	66,29	66,04	65,79
280 Halger	65,53	65,28	65,02
280 Howell	65,91	65,66	65,41
280 Rem	64,52	64,26	64,01
280 Riml NE Ross	66,29	66,04	65,79
28 30 120 Stevens	63,75	63,50	63,25
284 Jamison	55,88	55,63	55,37
284 Win	55,12	54,86	54,61
297/230 Morris Short	14,99	14,73	14,48
297/230 Morris long	20,57	20,32	20,07
297/250 Rook Rifle	20,83	20,57	20,32
30 BR (Rem)	38,35	38,10	37,85
30 Borchard	25,15	24,89	24,64
30 Carbine	32,77	32,51	32,26
30 FINE Purdey	58,75	58,50	58,24

30 Gibbs	63,50	63,25	62,99
30 HRT	40,77	40,51	40,26
30 Herrett	40,74	40,49	40,23
30 Hirsch	51,18	50,93	50,67
30 ICL Grizzly	66,29	66,04	65,79
30 Luger	21,41	21,16	20,90
30 Newton	63,88	63,63	63,37
30 PICRA	32,79	32,54	32,28
30 R Blaser	68,00	67,74	67,49
30 Rem	52,04	51,79	51,54
30-284	54,61	54,36	54,10
30-06 Ack Imp	63,14	62,89	62,64
30-06 Court Cartry	60,81	60,55	60,30
30-06 Spring	63,35	63,09	62,84
30-20	33,38	33,12	32,87
30-223	34,95	34,70	34,44
30-30 Ack Imp	51,56	51,31	51,05
30-30 Wesson	42,16	41,91	41,66
30-30 Win (CIP)	51,79	51,54	51,28
30-30 Win (SAAMI)	51,79	51,54	51,28
30-357 AeT	32,54	32,28	32,03
30-378 Weath Mag	73,99	73,74	73,48
30-40 Krag	58,78	58,52	58,27
30-40 Wesson	41,40	41,15	40,89
30-78 Single Shot	44,45	44,20	43,94
30/224 Weatherby	48,77	48,51	48,26
30/284 Win	54,99	54,74	54,48
30/30 Carb	34,04	33,78	33,53
30/338 Win Mag	63,50	63,25	62,99
30/348 Ack Imp	55,50	55,25	54,99
30/348 Win	55,12	54,86	54,61
30/350 Rem Mag	54,99	54,74	54,48
30/357 Paxton	33,02	32,77	32,51
30/378 Arch	57,15	56,90	56,64
30/444 Marlin (Ackley)	54,74	54,48	54,23
300 /295 Rook Rifle -DWM 300	29,24	28,98	28,73
300 Ack Mag Imp (300 H&H)	61,37	61,11	60,86
300 Dakota	64,52	64,26	64,01
300 Falcon	41,40	41,15	40,89

300 H& H Mag	72,39	72,14	71,88
300 Howell	65,91	65,66	65,41
300 ICL Tornado	56,64	56,39	56,13
300 Imperial Magnum (Canadian)	72,14	71,88	71,63
300 Jamison	55,88	55,63	55,37
300 Lapua Mag	69,19	68,94	68,68
300 Mashburn Sup	71,12	70,87	70,61
300 PMVF (HollywGun Shop)	71,58	71,32	71,07
300 Pegasus	75,95	75,69	75,44
300 Phoenix	63,68	63,42	63,17
300 Rem SA Ultra Mag	50,88	50,62	50,37
300 Rem Ultra Mag	72,39	72,14	71,88
300 Savage	47,50	47,24	46,99
300 Sherwood	39,34	39,09	38,84
300 Styria Mag	65,02	64,77	64,52
300 WSM (CIP)	53,09	52,83	52,58
300 Weath Mag	71,73	71,48	71,22
300 Win Mag(@)	66,55	66,29	66,04
300 Win Mag(F)	66,55	66,29	66,04
300 Win Mag(N)	66,55	66,29	66,04
300 Win Mag(R)	66,55	66,29	66,04
300 Win Mag(W)	66,55	66,29	66,04
300-221 (300 Whisper)	35,31	35,05	34,80
303 British	56,21	55,96	55,70
303 British (SAAMI)	56,21	55,96	55,70
303 Epps Imp	54,86	54,61	54,36
303 Magnum Jeffery	59,44	59,18	58,93
303 Savage (301 Sav)	51,16	50,90	50,65
303 Sporting	52,83	52,58	52,32
307 Win	51,16	50,90	50,65
308 Bellm	55,88	55,63	55,37
308 Corbon	52,96	52,71	52,45
308 Norma Mag	65,00	64,74	64,49
308 Super Wildcat (8mmRM)	72,14	71,88	71,63
308 Win	51,16	50,90	50,65
308 x 15	38,05	37,80	37,54
308 x 175	44,42	44,17	43,92



309 JDJ	56,01	55,75	55,50
310 Cadet Rifle	28,45	28,19	27,94
318 Riml NE Westl Rich	60,96	60,71	60,45
32 ACP (765 Browning)	17,20	16,94	16,69
32 Ballard Extra Long	31,50	31,24	30,99
32 H&R Magnum	27,10	26,85	26,59
32 Ideal (M44)	44,96	44,70	44,45
32 Long Colt	23,27	23,01	22,76
32 NAA	17,20	16,94	16,69
32 Rem	52,07	51,82	51,56
32 S&W (Short)	15,37	15,11	14,86
32 S&W Long NP	23,25	23,00	22,74
32 S&W Long Wad Cut	23,20	22,94	22,69
32 Short Colt	16,51	16,26	16,00
32 Win SL	32,77	32,51	32,26
32 Win Spec	51,82	51,56	51,31
32-20 Win	33,38	33,12	32,87
32-30 Rem	41,66	41,40	41,15
32-35 Stev & Maynard	47,75	47,50	47,24
32-40 Bullard	46,99	46,74	46,48
32-40 Rem Hepburn	79,50	79,25	78,99
32-40 Win	54,08	53,82	53,57
32-44 S&W	24,64	24,38	24,13
320 Howell	65,91	65,66	65,41
320 Long (Revolver)	20,50	20,24	19,99
320 Short (Revolver)	16,61	16,36	16,10
323 Hollis	65,02	64,77	64,52
325 WSM	53,09	52,83	52,58
33 Belted Riml BSA	60,96	60,71	60,45
33 Jeffery Rimmed	63,50	63,25	62,99
33 Newton	63,37	63,12	62,87
33 Poacher's Pet	74,30	74,04	73,79
33 Win	53,44	53,19	52,93
33/308 Win	51,16	50,90	50,65
330 Dakota	64,26	64,01	63,75
333 Riml NE	62,79	62,53	62,28
338 Excalibur	75,95	75,69	75,44
338 Federal	51,16	50,90	50,65

338 JDJ	55,45	55,19	54,94
338 JDJ-2	56,49	56,24	55,98
338 Jamison	55,88	55,63	55,37
338 Lapua Mag	69,19	68,94	68,68
338 MAI (338-8x57AckleyImp)	57,00	56,74	56,49
338 Rem Ultra Mag	70,10	69,85	69,60
338 Rhino (TeppoJutsu)	50,80	50,55	50,29
338 SABI	61,72	61,47	61,21
338 Spectre	31,80	31,55	31,29
338 Water Drop	49,45	49,20	48,95
338 Whisper [7mm BR]	38,10	37,85	37,59
338 Win Mag	63,50	63,25	62,99
338-06 A-Square	63,35	63,09	62,84
330	51,16	50,90	50,65
338-08 Ackley Imp	51,16	50,90	50,65
338-270 HGT	63,25	62,99	62,74
338-378 Weath Mag	73,91	73,66	73,41
338-74R Minkler	74,60	74,35	74,09
338/300 Win Short Mag [WSM]	53,09	52,83	52,58
340 Howell	65,91	65,66	65,41
340 Weath Mag	71,76	71,50	71,25
348 Win	57,28	57,02	56,77
348 Win Imp Ackley	56,90	56,64	56,39
35 Brown-Whelen	60,55	60,30	60,05
35 Lever Power Wade	54,66	54,41	54,15
35 Newton	63,35	63,09	62,84
35 Rem	48,77	48,51	48,26
35 S&W Auto (1913)	17,02	16,76	16,51
35 S&W Auto (1913)	17,02	16,76	16,51
35 Whelen	63,09	62,84	62,59
35 Whelen Ack Imp	63,09	62,84	62,59
35 Win SL	29,31	29,06	28,80
35 Win	61,29	61,04	60,78
35-30 Maynard 1865	38,84	38,58	38,33
35-30 Maynard 1873	41,30	41,05	40,79
35-30 Maynard 1882	40,64	40,39	40,13
35-40 Maynard 1882	52,30	52,04	51,79

35/284 Win	51,21	50,95	50,70
35/30-30 Win	51,82	51,56	51,31
35/348 Win	55,37	55,12	54,86
350 Howell	65,91	65,66	65,41
350 Jamison	55,88	55,63	55,37
350 Mag Rigby	69,85	69,60	69,34
350 Mashburn Short Mag	62,87	62,61	62,36
350 Mashburn Super Mag	72,39	72,14	71,88
350 Rem Mag	55,12	54,86	54,61
350 x 39 mm	39,12	38,86	38,61
351 Win SL	35,03	34,77	34,52
356 TSW	21,44	21,18	20,93
356 Win	51,16	50,90	50,65
356 Win (SAAMI)	51,16	50,90	50,65
357 Auto	31,88	31,62	31,37
357 Auto Magnum	32,99	32,74	32,49
357 Herrett - 358 US	44,45	44,20	43,94
357 Magnum (CIP)	32,77	32,51	32,26
357 Magnum (SAAMI)	32,77	32,51	32,26
357 Maximum (CIP)	40,64	40,39	40,13
357 Maximum (SAAMI)	40,64	40,39	40,13
357 Rimless Mag (223-AR15)	32,77	32,51	32,26
357 SIG	21,84	21,59	21,34
357-44 Bain Davis	32,51	32,26	32,00
358 Ackley Mag	64,26	64,01	63,75
358 Ackley Mag Imp	71,37	71,12	70,87
358 Barnes Supreme	72,54	72,29	72,03
358 Bellm	55,88	55,63	55,37
358 JDJ	56,67	56,41	56,16
358 Lee Magnum	66,04	65,79	65,53
358 Norma Mag	63,98	63,73	63,47
358 STA	72,39	72,14	71,88
358 Win	51,16	50,90	50,65
360 #2 NE	75,95	75,69	75,44
360 #5 Rook	26,67	26,42	26,16
360 Dan Wesson	35,79	35,53	35,28
360 NE 2 1/4 in (93x57R 360)	56,90	56,64	56,39

369 NE Purdey	68,58	68,33	68,07
375 Barnes Supreme	72,14	71,88	71,63
375 Dakota	65,02	64,77	64,52
375 Ruger	65,23	64,97	64,72
375 FI NE 2 1/2	63,50	63,25	62,99
375 FI Mag NE	74,68	74,42	74,17
375 H& H Ackley Imp	71,88	71,63	71,37
375 H& H Mag	72,62	72,36	72,11
375 Hawk/Scovill	63,35	63,09	62,84
375 Howell	63,37	63,12	62,87
375 ICL Kodiak	71,88	71,63	71,37
375 JDJ	57,10	56,85	56,59
375 JRS	72,39	72,14	71,88
375 Jamison	55,88	55,63	55,37
375 Jurras	51,56	51,31	51,05
375 Noveske (WSM)	53,09	52,83	52,58
375 Rem Ultra Mag	72,39	72,14	71,88
375 Rhino (Teppo Jutsu)	50,80	50,55	50,29
375 Rimless NE	57,12	56,87	56,62
375 Shannon	33,40	33,15	32,89
375 Tyrvää	53,34	53,09	52,83
375 Van Horn	66,93	66,68	66,42
375 Waters Express	56,64	56,39	56,13
375 Weath Mag	72,39	72,14	71,88
375 Westley Richards	65,99	65,74	65,48
375 Whelen	63,40	63,14	62,89
375 Win	51,31	51,05	50,80
375/303 NE WR	54,86	54,61	54,36
375/338 Chatfield-Taylor	63,50	63,25	62,99
375/38-40 Rimless	31,88	31,62	31,37
375x444	55,88	55,63	55,37
376 Steyr	59,69	59,44	59,18
378 Weath Mag	73,99	73,74	73,48
38 Auto	22,86	22,61	22,35
38 Ballard Extra Long	41,40	41,15	40,89
38 Casull	23,75	23,50	23,24
38 Long Colt	26,29	26,04	25,78
38 S&W (Colt NP) (CIP)	19,69	19,43	19,18

38 S&W (Colt NP) (SAAMI)	19,69	19,43	19,18
38 S&W +P (Colt NP) (SAAMI)	19,69	19,43	19,18
38 Short Colt	19,18	18,92	18,67
38 Special (CIP)	29,08	28,83	28,58
38 Special (SAAMI)	29,08	28,83	28,58
38 Special +P (SAAMI)	29,08	28,83	28,58
38 Super Auto (CIP)	22,61	22,35	22,10
38 Super Auto +P (SAAMI)	22,61	22,35	22,10
38 Super Comp	22,61	22,35	22,10
38 Super LAPUA	22,61	22,35	22,10
38 TJ +P	22,61	22,35	22,10
38-35 Stevens	41,15	40,89	40,64
38-40 Rem Hepburn	44,96	44,70	44,45
38-40 Win CF	33,15	32,89	32,64
38-45 ACP	22,81	22,56	22,30
38-45 Bullard	46,74	46,48	46,23
38-45 Clerke	22,81	22,56	22,30
38-45 Stevens	44,70	44,45	44,20
38-50 Maynard 1882	50,04	49,78	49,53
38-50 Rem	56,64	56,39	56,13
38-55 Win	52,96	52,71	52,45
38-56 Win	53,47	53,21	52,96
38-70 Win	59,44	59,18	58,93
38-72 Win	65,53	65,28	65,02
38-90 Win Expr	82,55	82,30	82,04
380 Auto (9mm Kurz)	17,30	17,04	16,79
380 Howell	65,94	65,68	65,43
380 Long Brit	24,28	24,03	23,77
380 Short Brit	17,91	17,65	17,40
40 S&W (CIP)	21,08	20,83	20,57
40 S&W (SAAMI)	21,08	20,83	20,57
40 Super	25,17	24,92	24,66
40-110 Win Express	82,55	82,30	82,04
40-40 Maynard 1865	44,45	44,20	43,94
40-40 Maynard 1873	46,74	46,48	46,23
40-450 Marlin	52,58	52,32	52,07
40-50 Sharps Necked	43,69	43,43	43,18

40-50 Sharps Straight	47,75	47,50	47,24
40-60 Marlin	53,59	53,34	53,09
40-60 Maynard 1882	55,88	55,63	55,37
40-60 Win	47,50	47,24	46,99
40-65 Ballard Everlast	60,45	60,20	59,94
40-65 Sharps Straight	63,50	63,25	62,99
40-65 Shilen	53,59	53,34	53,09
40-65 Win	53,34	53,09	52,83
40-70 Ballard	60,45	60,20	59,94
40-70 Maynard 1882	61,47	61,21	60,96
40-70 Peabody What Cheer	44,70	44,45	44,20
40-70 Rem	57,15	56,90	56,64
40-70 Sharps Necked	57,15	56,90	56,64
40-70 Win	60,96	60,71	60,45
40-72 Win	66,04	65,79	65,53
40-75 Bullard	53,09	52,83	52,58
40-82 Win	60,71	60,45	60,20
40-85 Ballard	74,68	74,42	74,17
40-90 Bullard	51,82	51,56	51,31
40-90 Sharps Necked	66,80	66,55	66,29
40-90 Sharps Straight	82,55	82,30	82,04
40/348 Win	57,15	56,90	56,64
400 ASDPM (A-Square)	71,07	70,82	70,56
400 Brown Whelen	62,51	62,26	62,00
400 Cor-Bon	22,83	22,58	22,33
400 H& H BeltMag	72,29	72,03	71,78
400 Pondoro	71,12	70,87	70,61
400 Williams	63,50	63,25	62,99
400/350 Rigby NE	69,85	69,60	69,34
400/360 NE Purdey 2 3/4"	69,60	69,34	69,09
400/375 Belted NE	63,25	62,99	62,74
401 Cor-Bon	32,51	32,26	32,00
401 Herter PowerMag	32,39	32,13	31,88

401 Win SL	50,93	50,67	50,42
404 Barnes Supreme	72,39	72,14	71,88
404 Dakota	65,15	64,90	64,64
404 RimlNE (Jeffery, 1075x73)	72,14	71,88	71,63
405 Win	65,53	65,28	65,02
408 CheyTac	77,22	76,96	76,71
408 Win Rimmed	51,56	51,31	51,05
41 AMP/Jurras	32,97	32,72	32,46
41 ActExp	21,95	21,69	21,44
41 Avenger JDJ	24,13	23,88	23,62
41 Long Colt	28,70	28,45	28,19
41 Rem Mag (CIP)	32,51	32,26	32,00
41 Rem Mag (SAAMI)	32,51	32,26	32,00
41 Short Colt	16,51	16,26	16,00
41-44 CL (Gaertner)	44,96	44,70	44,45
411 JDJ	56,82	56,57	56,31
411 KDF	63,25	62,99	62,74
411 Mag Bowman	63,50	63,25	62,99
411 Torok	73,79	73,53	73,28
414 Super Mag	40,64	40,39	40,13
416 Barnes Supreme	72,39	72,14	71,88
416 Barrett	82,80	82,55	82,30
416 Dakota	72,14	71,88	71,63
416 Hoffman	72,39	72,14	71,88
416 Howell	63,25	62,99	62,74
416 Jamison	55,88	55,63	55,37
416 Jurras	51,51	51,26	51,00
416 Noveske WSM	53,09	52,83	52,58
416 R (Chapuis)	83,82	83,57	83,31
416 Raptor	61,49	61,24	60,99
416 Raptor	61,54	61,29	61,04
416 Raptor Short Action	51,05	50,80	50,55
416 Rem Mag	72,39	72,14	71,88
416 Rhino (Teppo Jutsu)	50,80	50,55	50,29
416 Rigby	73,71	73,46	73,20
416 Steyr	59,69	59,44	59,18
416 Taylor	63,25	62,99	62,74
416 Weath Mag	73,99	73,74	73,48

416 x 2"Beartooth	50,67	50,42	50,17
416 x 39 (AR15)	38,10	37,85	37,59
416-300 WSM	53,09	52,83	52,58
416/348 Win	57,15	56,90	56,64
423 Van Horn	72,26	72,01	71,76
425 Express	64,77	64,52	64,26
425 Westl Richards	67,06	66,80	66,55
430 JDJ	53,72	53,47	53,21
435 PH Express	72,36	72,11	71,86
44 Auto Mag	32,97	32,72	32,46
44 Colt	27,94	27,69	27,43
44 Henry	22,35	22,10	21,84
44 Rem Mag (CIP)	32,39	32,13	31,88
44 Rem Mag (SAAMI)	32,39	32,13	31,88
44 S&W Russian	24,64	24,38	24,13
44 S&W Special (CIP)	29,29	29,03	28,78
44 S&W Special (SAAMI)	29,29	29,03	28,78
44-40 Win CF	33,15	32,89	32,64
440 Cor-Bon Mag	32,64	32,39	32,13
444 Marlin	56,52	56,26	56,01
445 Super Mag	40,64	40,39	40,13
45 Auto (ACP) (CIP)	22,81	22,56	22,30
45 Auto (ACP) (SAAMI)	22,81	22,56	22,30
45 Auto +P (ACP) (SAAMI)	22,81	22,56	22,30
45 Auto Rim	22,81	22,56	22,30
45 Blaser	54,51	54,25	54,00
45 Boxer-Henry Long 1869	81,79	81,53	81,28
45 Brown	66,04	65,79	65,53
45 Colt (CIP)	32,16	31,90	31,65
45 Colt (SAAMI)	32,16	31,90	31,65
45 Glock Auto Pistol	19,28	19,02	18,77
45 HP	21,79	21,54	21,29
45 New South Wales (Mart-Henry)	62,23	61,98	61,72
45 S&W Schofield	27,89	27,64	27,38
45 Super (ACP)	22,71	22,45	22,20
45 Webley	20,83	20,57	20,32



45 Win Mag	30,43	30,18	29,92
45-100 Rem	66,80	66,55	66,29
45-100 Sharps 24"	60,96	60,71	60,45
45-100 Sharps 26"	65,99	65,74	65,48
45-100 Sharps Straight	72,90	72,64	72,39
45-110 Sharps Straight	72,87	72,62	72,36
45-120 Sharps Straight	82,55	82,30	82,04
45-125 Win Express	82,55	82,30	82,04
45-60 Win	48,01	47,75	47,50
45-70 Govt CIP	53,47	53,21	52,96
45-70 Govt SAAMI	53,47	53,21	52,96
45-75 Sharps Straight	53,34	53,09	52,83
45-75 Win	48,01	47,75	47,50
45-80 Sharpshooter	60,96	60,71	60,45
45-85 Ward Burton	45,97	45,72	45,47
45-90 Sharps Straight	69,85	69,60	69,34
45-90 Win	60,96	60,71	60,45
450 Ackley Mag	72,06	71,81	71,55
450 Alaskan	57,15	56,90	56,64
450 Dakota	73,41	73,15	72,90
450 Fuller	57,40	57,15	56,90
450 Howell	63,25	62,99	62,74
450 Marlin	52,83	52,58	52,32
450 Mashburn Mag	72,64	72,39	72,14
450 NE 3 1/4"	82,55	82,30	82,04
450 No2 NE 3 1/2 Eley	88,87	88,62	88,37
450 Rigby	73,71	73,46	73,20
450 SMC	22,71	22,45	22,20
450 Short	17,60	17,35	17,09
450 Walker	83,82	83,57	83,31
450 Watts Mag	72,49	72,24	71,98
450/400 Mag NE 3 1/4"	82,55	82,30	82,04
450/400 N 2 3/8" BP	59,94	59,69	59,44
450/400 NE 3"	75,95	75,69	75,44
454 Casull Magnum (CIP)	35,05	34,80	34,54

454 Casull Magnum (SAAMI)	35,05	34,80	34,54
455 MK I	22,50	22,25	22,00
455 MK II	19,48	19,23	18,97
457 Wild West Mag	56,13	55,88	55,63
458 African Express	67,11	66,85	66,60
458 Jamison	55,88	55,63	55,37
458 Knebel	63,50	63,25	62,99
458 Lott	71,12	70,87	70,61
458 Noveske	53,09	52,83	52,58
458 RCBS	69,85	69,60	69,34
458 Rhino (Teppo Jutsu)	50,80	50,55	50,29
458 Socom	39,95	39,70	39,45
458 Whisper	44,45	44,20	43,94
458 WinMag	63,50	63,25	62,99
460 G&A Mag	70,82	70,56	70,31
460 GSD	51,05	50,80	50,55
460 Jurras	51,56	51,31	51,05
460 Rowland	24,26	24,00	23,75
460 S&W Magnum	45,47	45,21	44,96
460 Short A-Square	63,50	63,25	62,99
460 Steyr	89,87	89,61	89,36
460 Van Horn	63,50	63,25	62,99
460 Weath Mag	73,99	73,74	73,48
465 H & H Belt Mag	73,48	73,23	72,97
470 Capstick	72,01	71,76	71,50
470 NE	82,55	82,30	82,04
475 #2 NE Jeff 3 1/2"	88,65	88,39	88,14
475 A&M	74,42	74,17	73,91
475 Ackley Mag	72,39	72,14	71,88
475 Jurras	51,54	51,28	51,03
475 LTD	75,69	75,44	75,18
475 Linebaugh	35,31	35,05	34,80
475 Rhino (Teppo Jutsu)	50,80	50,55	50,29
475 Straight NE	82,55	82,30	82,04
475 Tremor	39,90	39,65	39,40
480 Achilles	22,86	22,61	22,35
480 Ruger	32,39	32,13	31,88
495 A-Square	71,12	70,87	70,61

499 Leitner-Wise	44,50	44,25	43,99
50 AE (CIP)	32,64	32,39	32,13
50 AE (SAAMI)	32,64	32,39	32,13
50 BMG - 127mm x 99mm	99,06	98,81	98,55
50 Beowulf	41,91	41,66	41,40
50 Fat-Mac (from 20x102)	68,33	68,07	67,82
50 GI	22,00	21,74	21,49
50 Spotter 127x76	75,18	74,93	74,68
50 Uniroyal (from 20x102)	99,06	98,81	98,55
50-110 Win	60,96	60,71	60,45
50-140 Sharps	82,55	82,30	82,04
50-70 Gov/Musket	44,45	44,20	43,94
50-90 Sharps	63,37	63,12	62,87
50/460 Bushman	73,91	73,66	73,41
500 A-Square	73,66	73,41	73,15
500 AHR	73,53	73,28	73,03
500 Jeffery Rimless	69,90	69,65	69,39
500 Jurras	51,64	51,38	51,13
500 Linebaugh	35,26	35,00	34,75
500 Maximum (Linebaugh Long)	40,64	40,39	40,13
500 NE 3 1/4"	82,55	82,30	82,04
500 NE 3"	76,17	75,92	75,67
500 NAI Long Mag	95,50	95,25	95,00
500 Phantom	38,71	38,46	38,20
500 S&W Magnum	41,25	41,00	40,74
500 Wyoming Express	34,67	34,42	34,16
500/416 NE 3 1/4"	82,30	82,04	81,79
500/465 NE	82,55	82,30	82,04
500/450 #1 Express	69,85	69,60	69,34
500/450 #2 Musket	59,94	59,69	59,44
500/450 Magnum Express (BP-NE)	82,55	82,30	82,04
502 Thunder Sabre	32,49	32,23	31,98
505 Barnes Supreme	73,66	73,41	73,15
505 Mag Gibbs	80,01	79,76	79,50
510 DTC	96,14	95,89	95,63
510 Whisper	50,72	50,47	50,22

56/50 Spencer Centerfire	29,44	29,18	28,93
577 NE 3"	75,95	75,69	75,44
577 NE 2 3/4"	69,85	69,60	69,34
577 Snider Courte SFM	39,37	39,12	38,86
577 Tyrannosaur	75,95	75,69	75,44
577/450 Sld Martini Henry	59,06	58,80	58,55
577/500 #2 NE	71,37	71,12	70,87
577/500 Magnum NE	79,50	79,25	78,99
585 African Express	75,95	75,69	75,44
585 Nyati	70,99	70,74	70,49
600 Jeffrey	75,95	75,69	75,44
600 NE	75,95	75,69	75,44
700 NE 3 1/2	88,90	88,65	88,39
700 NE 3"	75,95	75,69	75,44
825 S&S Online Express Magnum	56,13	55,88	55,63
950 JDJ	73,66	73,41	73,15
5.45 x 18 PSM Russ.	17,78	17,53	17,27
5.45 x 39 mm (.215 Russ.)	39,67	39,42	39,17
5.56 mm Global/KEC xpl.	39,88	39,62	39,37
5.56 mm NATO 5,6 x 45 mm	44,68	44,42	44,17
5.56 x 29 SCAMP	29,21	28,96	28,70
5.56 x 30 MARS	30,48	30,23	29,97
5.6 x 33 Rook	33,27	33,02	32,77
5.6 x 35 R Vierling	35,48	35,23	34,98
5.6 x 46 mm Russian XPL	45,47	45,21	44,96
5.6 x 48 GP76 Swiss Eiger XPL	47,68	47,42	47,17
5.6 x 50 Mag.	49,99	49,73	49,48
5.6 x 50 R Mag.	49,99	49,73	49,48
5.6 x 52 R	52,07	51,82	51,56
5.6 x 57	56,69	56,44	56,18
5.6 x 57 R	56,69	56,44	56,18
5.6 x 61 R SE v.Hofe	60,96	60,71	60,45
5.6 x 61 SE v.Hofe	60,96	60,71	60,45
5.7 MMJ Spitfire	32,97	32,72	32,46

5.7 mm Johnson	32,77	32,51	32,26
5.7 mm UCC Voere (caseless)	26,09	25,83	25,58
5.7 x 28 FN	28,80	28,55	28,30
5.75 Velodog	29,49	29,24	28,98
5.8 x 42 Chinese	42,16	41,91	41,66
6 XC Tubb	48,41	48,16	47,90
6 mm 30-30 Ack Imp	51,79	51,54	51,28
6 mm AR	38,35	38,10	37,85
6 mm Arch	54,99	54,74	54,48
6 mm Arnold	63,12	62,87	62,61
6 mm Atlas	62,87	62,61	62,36
6 mm B.R. Norma	39,37	39,12	38,86
6 mm B.R. Rem	39,37	39,12	38,86
6 mm BRX	39,78	39,52	39,27
6 mm Dasher	39,47	39,22	38,96
6 mm HAGAR	45,09	44,83	44,58
6 mm International	48,56	48,31	48,06
6 mm JDJ #2	48,31	48,06	47,80
6 mm Lee Navy	59,69	59,44	59,18
6 mm Montdragon	47,98	47,73	47,47
6 mm Musgrave	55,68	55,42	55,17
6 mm PPC	38,23	37,97	37,72
6 mm PPC USA	38,23	37,97	37,72
6 mm Rem.	56,46	56,21	55,96
6 mm Rem. (SAAMI)	56,46	56,21	55,96
6 mm Shipley Pipsqueak	46,36	46,10	45,85
6 mm T/CU	44,45	44,20	43,94
6 mm UCC Voere	26,90	26,64	26,39
6 x 29.5 Stahl	29,46	29,21	28,96
6 x 35 TSWG - 6 Whisper	35,53	35,28	35,03
6 x 45 (6-223)	44,68	44,42	44,17
6 x 47 (6-222RemMag)	46,99	46,74	46,48
6 x 47 ATZL	46,99	46,74	46,48
6 x 47 SM	46,86	46,61	46,36
6 x 50 R Scheiring	49,66	49,40	49,15
6 x 51 ATZL	51,00	50,75	50,50
6 x 52 R Bretschneider	51,82	51,56	51,31

6 x 57 mm Mauser	56,64	56,39	56,13
6 x 58 R Forster	55,58	55,32	55,07
6 x 58 mm Forster	57,91	57,66	57,40
6 x 61 Shape & Hart	61,60	61,34	61,09
6 x 62 Freres	61,60	61,34	61,09
6 x 62 R Freres	61,60	61,34	61,09
6 x 70 R	69,85	69,60	69,34
6-284 6mm/284 Shehane	54,99	54,74	54,48
6.17 Spitfire (Lazzeroni)	52,07	51,82	51,56
6.3 x 53 R Finn.	53,01	52,76	52,50
6.35 Browning	15,54	15,29	15,04
6.35 x 19 Fiocchi	18,97	18,72	18,47
6.45 x 48 mm GP80 Swiss	47,83	47,57	47,32
6.5 Gibbs	63,88	63,63	63,37
6.5 JDJ	48,44	48,18	47,93
6.5 mm Bergmann	22,10	21,84	21,59
6.5 mm Gibbs	62,61	62,36	62,10
6.5 mm Grendel	38,48	38,23	37,97
6.5 mm Leopard (6,5 WSM)	53,09	52,83	52,58
6.5 mm RSAUM	51,69	51,44	51,18
6.5 mm Rem. Mag.	55,12	54,86	54,61
6.5 mm Rock (WSM)	53,09	52,83	52,58
6.5 mm T/CU	44,45	44,20	43,94
6.5 mm-08	51,69	51,44	51,18
6.5 x 27 R	27,18	26,92	26,67
6.5 x 27 R	26,92	26,67	26,42
6.5 x 40 R Sauer	40,01	39,75	39,50
6.5 x 43 mm IWK 1962 XPL	42,80	42,55	42,29
6.5 x 47 Lapua	46,99	46,74	46,48
6.5 x 48 R Sauer	47,70	47,45	47,19
6.5 x 50 R (Reb)	49,48	49,23	48,97
6.5 x 51 R Jap. Arisaka	50,98	50,72	50,47
6.5 x 52 Carcano	52,48	52,22	51,97
6.5 x 52 R	51,99	51,74	51,49
6.5 x 53 R (Dutch) Mannlicher	53,59	53,34	53,09

6.5 x 54 Mannl. Schoen.	53,64	53,39	53,14
6.5 x 54 mm Mauser	53,95	53,70	53,44
6.5 x 55 Ack. Imp.	54,99	54,74	54,48
6.5 x 55 Swedish	54,99	54,74	54,48
6.5 x 57 R	56,69	56,44	56,18
6.5 x 57 mm Mauser	56,69	56,44	56,18
6.5 x 58 R (Sauer)	58,37	58,12	57,86
6.5 x 58 R Krag-Jorg.	57,99	57,73	57,48
6.5 x 58 mm Mauser Port.	57,99	57,73	57,48
6.5 x 61 R Mauser	60,96	60,71	60,45
6.5 x 61 mm Mauser	60,96	60,71	60,45
6.5 x 63 Messner Mag	62,99	62,74	62,48
6.5 x 63 R Messner Mag	62,99	62,74	62,48
6.5 x 64 (Reb)	63,96	63,70	63,45
6.5 x 64 Brenneke	64,52	64,26	64,01
6.5 x 65 RWS	65,00	64,74	64,49
6.5 x 65 R RWS	65,00	64,74	64,49
6.5 x 68	67,49	67,23	66,98
6.5 x 68 R	67,49	67,23	66,98
6.5 x 70 R	69,49	69,24	68,99
6.5 x 72 R	56,69	56,44	56,18
6.5-06	70,97	70,71	70,46
6.5-284 Norma	55,12	54,86	54,61
6.5-300 Weath. Mag.	71,73	71,48	71,22
6.53 Scramjet (Lazzeroni)	71,12	70,87	70,61
6.7 x 54 R Russ./Finn.	53,57	53,31	53,06
6.71 Blackbird (Lazzeroni)	71,12	70,87	70,61
6.71 Phantom (Lazzeroni)	52,07	51,82	51,56
6.8 mm Rem SPC	42,93	42,67	42,42
7 - 30 Waters	51,82	51,56	51,31
7 Penna	24,99	24,74	24,49
7 mm B.R. Rem.	38,35	38,10	37,85
7 mm Bellm	55,88	55,63	55,37
7 mm Dakota	63,25	62,99	62,74
7 mm Exp. Rem.	64,52	64,26	64,01

7 mm Gibbs	63,93	63,68	63,42
7 mm JDJ	47,98	47,73	47,47
7 mm KM Katzmaier 7mm-338 Lapua	69,09	68,83	68,58
7 mm Mag Fl. H.& H.	63,50	63,25	62,99
7 mm Nambu	19,81	19,56	19,30
7 mm PPC	38,61	38,35	38,10
7 mm Rem SA Ultra Mag	51,46	51,21	50,95
7 mm Rem Ultra Mag	72,39	72,14	71,88
7 mm Rem. Mag.	63,50	63,25	62,99
7 mm STW	72,39	72,14	71,88
7 mm T/CU	44,32	44,07	43,82
7 mm WSM	53,34	53,09	52,83
7 mm Weath. Mag.	64,74	64,49	64,24
7 mm Whisper	35,48	35,23	34,98
7 mm-08 Ack. Imp. Rem.	51,69	51,44	51,18
7 mm-08 Rem.	51,69	51,44	51,18
7 mm-300 Weath. Mag.	71,73	71,48	71,22
7 x 33 Sako	33,32	33,07	32,82
7 x 39 Giat	38,61	38,35	38,10
7 x 45 Giat	44,42	44,17	43,92
7 x 45 Ingram	44,45	44,20	43,94
7 x 49 Brit. Enfield experim.	49,10	48,84	48,59
7 x 49 GJW	48,90	48,64	48,39
7 x 49 R GJW (aus 5.6x50R)	48,90	48,64	48,39
7 x 50 R	49,28	49,02	48,77
7 x 53 R Finn.	52,88	52,63	52,37
7 x 54 Finnish	53,95	53,70	53,44
7 x 54 Fournier	53,98	53,72	53,47
7 x 57 R	57,00	56,74	56,49
7 x 57 mm Ack. Imp.	57,00	56,74	56,49
7 x 57 mm Mauser	57,00	56,74	56,49
7 x 57 mm Mauser (SAAMI)	57,00	56,74	56,49
7 x 61 S&H (Super)	60,99	60,73	60,48
7 x 64 Brenneke	63,98	63,73	63,47
7 x 65 R Brenneke	65,02	64,77	64,52
7 x 66 SE v.Hofe	65,99	65,74	65,48



7 x 67 R Luyven	66,55	66,29	66,04
7 x 72 R	71,91	71,65	71,40
7 x 73 SE v.Hofe Belted	72,90	72,64	72,39
7 x 75 R SE v.Hofe	74,98	74,73	74,47
7.21 Firebird (Lazzeroni)	71,12	70,87	70,61
7.21 Firehawk (obsolete)	71,12	70,87	70,61
7.21 Tomahawk (Lazzeroni)	52,07	51,82	51,56
7.35 x 52 Carcano	51,51	51,26	51,00
7.5 Ord. Suisse (Swiss Army)	22,81	22,56	22,30
7.5 Swed. Nagant Revolver	22,81	22,56	22,30
7.5 x 53,5 R Rubin	53,59	53,34	53,09
7.5 x 53.5 GP90/03 SWISS	55,58	55,32	55,07
7.5 x 54 mm MAS French	53,85	53,59	53,34
7.5 x 55 GP11 SWISS	55,58	55,32	55,07
7.62 Nagant Russ.	38,35	38,10	37,85
7.62 UKM	57,00	56,74	56,49
7.62 mm NATO (7.62 x 51)	51,16	50,90	50,65
7.62 x 25 Tokarev	24,89	24,64	24,38
7.62 x 38 mm M59 Geco	38,43	38,18	37,92
7.62 x 39 (.308) Russ.	38,68	38,43	38,18
7.62 x 39 (M43) Russ.	38,68	38,43	38,18
7.62 x 45 M52 Czech.	44,96	44,70	44,45
7.62 x 53 R Fin.	53,49	53,24	52,98
7.62 x 54 R NATO	53,70	53,44	53,19
7.62 x 54 R Russ.Nagant	53,70	53,44	53,19
7.63 Mannlicher	21,34	21,08	20,83
7.63 Mauser	25,15	24,89	24,64
7.65 Browning	17,20	16,94	16,69
7.65 Long (French)	19,66	19,41	19,15
7.65 Para (.30 Luger)	21,41	21,16	20,90

7.65 x 53 Arg./Belg. Mauser	53,49	53,24	52,98
7.7 mm x 58 Japan (Arisaka)	57,66	57,40	57,15
7.82 Patriot (Lazzeroni)	52,07	51,82	51,56
7.82 Sx24mm Leitner-Wise Sabot	24,99	24,74	24,49
7.82 Warbird (Lazzeroni)	71,12	70,87	70,61
7.92 CETME	42,29	42,04	41,78
7.92 x 33 kurz	32,99	32,74	32,49
7.92 x 61 Norway M17	60,96	60,71	60,45
7.92 x 94 M318 Antitank	83,24	82,98	82,73
8 mm -338	63,50	63,25	62,99
8 mm -348 Win.	57,28	57,02	56,77
8 mm -7 mm RM	63,50	63,25	62,99
8 mm /300 Win. Mag.	66,55	66,29	66,04
8 mm ARP	66,50	66,24	65,99
8 mm Gibbs	62,74	62,48	62,23
8 mm Lebel (Revolver)	27,31	27,05	26,80
8 mm Lebel M/93 (8x50R)	50,50	50,24	49,99
8 mm Mazon	63,98	63,73	63,47
8 mm Nambu	21,72	21,46	21,21
8 mm R Blaser	68,00	67,74	67,49
8 mm Rast-Gasser	26,70	26,44	26,19
8 mm Rem. Mag.	72,39	72,14	71,88
8 mm Steyr (Roth)	18,64	18,39	18,14
8 mm-06	63,09	62,84	62,59
8 x 42 R	42,09	41,83	41,58
8 x 48 R Sauer	47,96	47,70	47,45
8 x 50 R Mannlicher M93 (DWM358)	50,50	50,24	49,99
8 x 51 R Mauser	50,60	50,34	50,09
8 x 51 mm Mauser	50,60	50,34	50,09
8 x 52 R Siam. Mauser 66	51,51	51,26	51,00
8 x 53 R Murata	52,32	52,07	51,82
8 x 54 Krag-Jorgensen	53,95	53,70	53,44

8 x 56 Mannl.-Schoenauer	56,39	56,13	55,88
8 x 56 R M 89 Port.Krop.	55,70	55,45	55,19
8 x 56 R M30S (Solothurn+Hungar.)	55,70	55,45	55,19
8 x 57 I	57,00	56,74	56,49
8 x 57 IR	57,00	56,74	56,49
8 x 57 IRS	57,00	56,74	56,49
8 x 57 IS (8 mm Mauser CIP)	57,00	56,74	56,49
8 x 57 R 360	56,64	56,39	56,13
8 x 57 mm Mauser (SAAMI)	57,00	56,74	56,49
8 x 58 R (S&S)	58,50	58,24	57,99
8 x 58 RD (Danish Krag)	57,91	57,66	57,40
8 x 59 Breda	58,98	58,72	58,47
8 x 60	59,99	59,74	59,49
8 x 60 R	59,99	59,74	59,49
8 x 60 R Guedes	59,59	59,33	59,08
8 x 60 R Kropatschek M/86	59,69	59,44	59,18
8 x 60 RS	59,99	59,74	59,49
8 x 60 S	59,99	59,74	59,49
8 x 63 Swedish	62,97	62,71	62,46
8 x 64	64,01	63,75	63,50
8 x 64 S	64,01	63,75	63,50
8 x 65 R	65,00	64,74	64,49
8 x 65 RS	65,00	64,74	64,49
8 x 68 S	67,49	67,23	66,98
8 x 71 Peterlongo	71,12	70,87	70,61
8 x 72 R (Sauer)	72,01	71,76	71,50
8 x 75 RS	74,60	74,35	74,09
8 x 75 S	74,70	74,45	74,19
8 x 87 Spain Antitank	87,25	87,00	86,74
8.15 x 46 R	46,51	46,25	46,00
8.15 x 52 R	51,89	51,64	51,38
8.2 x 53 R Fin.	53,49	53,24	52,98
8.5 mm Messner Magnum	63,70	63,45	63,20
8.5 x 57	57,00	56,74	56,49
8.5 x 63	62,99	62,74	62,48

8.5 x 63 R	62,99	62,74	62,48
8.59 Galaxy (Lazzeroni)	52,07	51,82	51,56
8.59 Titan (Lazzeroni)	71,12	70,87	70,61
9 mm Bergmann- Bayard (long)	23,11	22,86	22,61
9 mm Browning kurz	17,30	17,04	16,79
9 mm Browning long	20,19	19,94	19,69
9 mm FAR	24,13	23,88	23,62
9 mm FX & CQT	19,48	19,23	18,97
9 mm Federal	19,15	18,90	18,64
9 mm Largo	23,19	22,94	22,68
9 mm Luger (CIP)	19,15	18,90	18,64
9 mm Luger (SAAMI)	19,15	18,90	18,64
9 mm Luger +P (SAAMI)	19,15	18,90	18,64
9 mm Makarov	17,78	17,53	17,27
9 mm Mauser	24,99	24,74	24,49
9 mm NATO (9 x 19)	19,15	18,90	18,64
9 mm Steyr (Roth)	23,19	22,94	22,68
9 mm Super Comp (9x23Win)	22,83	22,58	22,33
9 mm Win.Mag.	29,36	29,11	28,85
9 x 18 (Ultra)	17,91	17,65	17,40
9 x 21	21,08	20,83	20,57
9 x 22 MJR	21,72	21,46	21,21
9 x 23 Win.	22,66	22,40	22,15
9 x 24 KC	24,00	23,75	23,50
9 x 25 Dillon	25,12	24,87	24,61
9 x 25 Super Auto G	25,35	25,10	24,84
9 x 47 R Deutsche Schützen	47,29	47,04	46,79
9 x 56 Mannl.-Schoenauer	56,31	56,06	55,80
9 x 57 Mauser	56,79	56,54	56,29
9 x 57 R Mauser	56,79	56,54	56,29
9 x 69 R	68,58	68,33	68,07
9 x 85 MEN xpl.	84,99	84,73	84,48
9 x 90 MEN xpl.	89,99	89,74	89,48
9.12 x 77 Lapua experiment.	76,99	76,73	76,48
9.3 x 53 R Fin.	53,47	53,21	52,96

9.3 x 53 R Swiss	52,91	52,65	52,40
9.3 x 53 Swiss	52,91	52,65	52,40
9.3 x 57	56,49	56,24	55,98
9.3 x 62	61,98	61,72	61,47
9.3 x 63 RWS (Miller-Greiss)	62,79	62,53	62,28
9.3 x 64 Brenneke	63,98	63,73	63,47
9.3 x 65 R	64,69	64,44	64,19
9.3 x 66 Sako	65,79	65,53	65,28
9.3 x 70 Mag. (DWM569)	70,00	69,75	69,49
9.3 x 70 R (.360)	70,00	69,75	69,49
9.3 x 70 RWS Exp.	69,85	69,60	69,34
9.3 x 72 R (.360)	72,01	71,76	71,50
9.3 x 72 R Sauer	71,88	71,63	71,37
9.3 x 74 R	73,91	73,66	73,41
9.3 x 75 R (.360)Nimrod	74,93	74,68	74,42
9.3 x 80 R (.360)Nimrod	80,26	80,01	79,76
9.3 x 82 R (.360)Nimrod	82,19	81,94	81,69
9.3-300 WSM	53,09	52,83	52,58
9.5 Tornado	68,58	68,33	68,07
9.5 x 47 R Martini	47,29	47,04	46,79
9.5 x 57 Mannl.-Schoenauer	56,85	56,59	56,34
9.5 x 60 R Mauser Turkish	59,99	59,74	59,49
9.5 x 66 SE v. Hofe	65,99	65,74	65,48
9.5 x 73 Miller Greiss	72,52	72,26	72,01
9.53 Hellcat (Lazzeroni)	52,07	51,82	51,56
9.53 Saturn (Lazzeroni)	71,12	70,87	70,61
10 mm Auto (CIP)	25,15	24,89	24,64
10 mm Auto (SAAMI)	25,15	24,89	24,64
10 mm FAR	24,13	23,88	23,62
10 mm Magnum (IAI)	31,88	31,62	31,37
10 mm Soerabaja (Holl-Ind.Service)	27,31	27,05	26,80
10,5 x 70 R UDSSR (DWM214-2 3/4)	69,72	69,47	69,22

10.15 x 54 R Jarmann	53,34	53,09	52,83
10.15 x 61 R Jarmann	60,96	60,71	60,45
10.15 x 63 R Serbian (KOKA 1880)	62,74	62,48	62,23
10.2 x 94 Jaguar	93,47	93,22	92,96
10.3 x 60 R Swiss	60,76	60,50	60,25
10.3 x 64 Häberli	63,50	63,25	62,99
10.3 x 65 R Baenziger	65,30	65,05	64,80
10.4 Ordnance Italy (Glisenti)	19,71	19,46	19,20
10.4 x 38 R Swiss Vetterli M69/81	38,00	37,74	37,49
10.4 x 42 R Vetterli	42,29	42,04	41,78
10.4 x 47 R Vetterli M70 Italy	47,75	47,50	47,24
10.57 Maverick (Lazzeroni)	52,07	51,82	51,56
10.57 Meteor (Lazzeroni)	71,12	70,87	70,61
10.6 x 51 (416-2")	50,55	50,29	50,04
10.7 x 57 R Krag Petersen	58,09	57,84	57,58
10.75 x 52 R Gecado	51,89	51,64	51,38
10.75 x 57 Mannlicher	56,87	56,62	56,36
10.75 x 58 R Russ. Berdan	57,23	56,97	56,72
10.75 x 63 R (Mauser)	62,74	62,48	62,23
10.75 x 68 (Mauser)	67,82	67,56	67,31
11 mm French Gras/Vickers	59,44	59,18	58,93
11 x 52 R Beaumont NL	51,94	51,69	51,44
11 x 60 R Murata	59,44	59,18	58,93
11.15 x 58 R (43 Spanish Rem.)	57,66	57,40	57,15
11.15 x 58 R Werndl 1877	58,17	57,91	57,66
11.15 x 60 R Mauser (Smokeless)	60,20	59,94	59,69
11.2 x 60 Mauser/Schueler	60,20	59,94	59,69

11.2 x 72 Schueler	71,40	71,15	70,89
11.43 x 41 Peabody-Martini	41,20	40,94	40,69
11.44 x 45,5 R Rem Danish M/67	45,72	45,47	45,21
11.5 x 50 R Werder Schützen	49,91	49,66	49,40
11.5 x 57 R (43 Spanish Reformado)	56,90	56,64	56,39
12.04 Bibamufu (Lazzeroni)	71,12	70,87	70,61
12.04 Lilmufu (Lazzeroni)	51,82	51,56	51,31
12.7 x 108 Russ. DShK	107,98	107,72	107,47
12.7 x 44 R Rem CF Swed/Nor M/67	44,20	43,94	43,69
12.7 x 45 R Rem Pontifical/Papal	44,96	44,70	44,45
12.7 x 57 Anthis	56,90	56,64	56,39
12.7 x 57 Lapua	57,00	56,74	56,49
12.7 x 70 (.500 Schüler)	70,00	69,75	69,49
13 x 64 MG131	63,75	63,50	63,25
13.2 x 96 mm Hotchkiss	95,76	95,50	95,25
14.3 x34 R Wänzl	32,49	32,23	31,98
14.5 JDJ	98,04	97,79	97,54
14.5 x 114 Russ. KPV	114,00	113,74	113,49
15 mm x 96 mm MG151	95,89	95,63	95,38
15.2 x 170 Steyr AMR	169,32	169,06	168,81
20 mm x 102 mm M103	101,98	101,73	101,47
20 mm x 110 mm HS404	109,98	109,73	109,47
20 mm x 110 mm OE S 1936	109,98	109,73	109,47
20 mm x 139 mm Rh202 HS820	138,94	138,68	138,43
20 mm x 82 mm MG151	81,66	81,41	81,15
23 mm x 152 B - VYa	151,89	151,64	151,38

25 mm x 137 mm Rh205 M84A1	136,91	136,65	136,40
30 mm x 113 mm B	112,78	112,52	112,27