

| GPO RIFLESCOPE TECHNICAL SPECIFICATIONS | | | PASSION 3X | | PASSION 3X | | PASSION 3X | | PASSION 4X | | PASSION 4X | | SPECTRA 4X | | SPECTRA 4X | | SPECTRA 4X | | SPECTRA 5X | | SPECTRA 6X | | SPECTRA 6X | | SPECTRA 6X | | SPECTRA 6X | | SPECTRA 8X | | SPECTRA 8X | | SPECTRA 8X | | GPO TAC™ | | GPO TAC™ | | GPO TAC™ | | GPO TAC™ | | | | | |
|---|--|-----------|--------------------|-----|--------------------|-----|-------------------|-----|------------|-----|-------------------|-----|--------------------------------|-----|--------------------------------|-----|--------------------------------|-----|--------------------------------|-----|--------------------------------|-----|--------------------------------|-----|--------------------------------|-----|--------------------------------|-----|--------------------------------|-----|--------------------------------|-----|--------------------------------|------|--------------------------------|------|------------|-----|---------------|-----|-------------------|-----|------------------|-----|------------|-----|
| | | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | New 2021 | | | | | |
| Optical parameter | Description | Value | 3-9x42 | | 4-12x42 | | 6-18x50 | | 3-12x56 | | 6-24x50 | | 2.5-10x44 | | 2.5-10x44i | | 4-16x50i | | 3-15x56i | | 1-6x24i | | 1.5-9x32i | | 1.5-9x44i | | 2-12x44i | | 2-12x50i | | 3-18x56i | | 1-8x24i | | 2-16x44i | | 2.5-20x50i | | 1-6x24i Tac | | 1-8x24i Tac | | 2.5-20x50i | | 4.5-27x50i | |
| MODEL | | | R310 | | R350 | | R380 | | R400 | | R460 | | R420 | | R421 | | RS441/RS442 | | RS550 | | RS610 | | RS620 | | RS630 | | RS640 | | RS650 | | RS660 | | RS800 | | RS820/RS821 | | RS830 | | RT600 | | RT800 | | RS831 | | RS670 | |
| | | | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | | | | |
| Magnification | | | 3x | 9x | 4x | 12x | 6x | 18x | 3x | 12x | 6x | 24x | 2.5x | 10x | 2.5x | 10x | 4x | 16x | 3x | 15x | 1x | 6x | 1.5x | 9x | 1.5x | 9x | 2x | 12x | 2x | 12x | 3x | 18x | 1x | 8x | 2x | 16x | 2.5x | 20x | 1x | 6x | 1x | 8x | 2.5x | 20x | 4.5x | 27x |
| Field of View (FOV) | Size of overall image | ft/100y | 45 | 17 | 34 | 14 | 17 | 6 | 37 | 14 | 17 | 5 | 49 | 13 | 49 | 13 | 32 | 8 | 34 | 7 | 128 | 22 | 86 | 14 | 86 | 14 | 65 | 11 | 65 | 11 | 34 | 6 | 123 | 14.6 | 59 | 8 | 48 | 6 | 113.0 | 19 | 106.5 | 13 | 40 | 5.5 | 23 | 4 |
| Field of View (FOV) | Size of overall image | m/100m | 14.8 | 5.5 | 11.2 | 4.5 | 6 | 2.1 | 12.2 | 4.6 | 5.5 | 1.5 | 16.2 | 4.1 | 16.2 | 4.1 | 10.4 | 2.6 | 11.1 | 2.3 | 42 | 7 | 28 | 4.6 | 28 | 4.6 | 21 | 3.5 | 21 | 3.5 | 11.1 | 1.9 | 40.4 | 4.8 | 19.4 | 2.4 | 15.5 | 1.9 | 37.5 | 6.3 | 35.3 | 4.4 | 13.3 | 1.8 | 7.4 | 1.3 |
| Exit pupil diameter | Measurement of the pupillary ocular beam | mm | 14 | 4.7 | 10.5 | 3.5 | 8.3 | 2.7 | 18.7 | 4.7 | 8.3 | 2.1 | 12.3 | 4.4 | 12.3 | 4.4 | 9.5 | 3.1 | 9.5 | 3.7 | 9.5 | 4 | 9.5 | 3.5 | 9.5 | 4.9 | 9.5 | 3.6 | 9.5 | 4.2 | 9.5 | 3.1 | 9 | 3 | 9 | 2.75 | 9 | 2.5 | 12 | 4 | 12 | 3 | 9 | 2.8 | 9.5 | 1.9 |
| Tube diameter | Measurement for mounting | mm or in. | 1" | | 1" | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 30mm | | 34mm | | 34mm | | 34mm | | | |
| Objective diameter | Effective diameter | mm | 42 | | 42 | | 50 | | 56 | | 50 | | 44 | | 44 | | 50 | | 56 | | 24 | | 32 | | 44 | | 44 | | 50 | | 56 | | 24 | | 44 | | 50 | | 24 | | 24 | | 50 | | 50 | |
| Eye Relief | From the last optical surface | inches | 3.75 | | 3.75 | | 4 | | 3.5 | | 4 | | 3.74 | | 3.74 | | 3.74 | | 3.74 | | 4 | | 4 | | 4 | | 4 | | 4 | | 3.74 | | 3.54 | | 3.54 | | 3.54 | | 4 | | 3.75 | | 3.75 | | 4 | |
| Eye Relief | From the last optical surface | mm | 95 | | 95 | | 100 | | 90 | | 100 | | 95 | | 95 | | 95 | | 95 | | 97 | | 97 | | 97 | | 97 | | 97 | | 95 | | 90 | | 90 | | 90 | | 100 | | 90 | | 90 | | 100 | |
| Focal plane | F2 - non-magnifying reticle F1 - magnifying reticle | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F2 | | F1 | | F1 | | F1 | | F1 | | | |
| Travel value per click | 1 Click = x / 100y | inches | .25" (1/4") | | .25" (1/4") | | .25 (1/4") | | .36" | | .25" (1/4") | | .36" | | .36" | | .36" | | .36" | | .36" | | .36" | | .36" | | .36" | | .36" | | .36" | | .36" | | .36" | | .36" | | .36" | | .36" | | .36" | | | |
| Travel value per click | 1 Click = x / 100m | cm | 0.63 | | 0.63 | | 0.63 | | 1 | | 0.63 | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | .1mrad | | | |
| Turret rotation for elevation | CCW - Counterclockwise up CW - Clockwise up | direction | CCW | | CCW | | CCW | | CW | | CCW | | CW | | CW | | CW | | CW | | CW | | CW | | CW | | CW | | CW | | CW | | CW | | CW | | CW | | CW | | CW | | CW | | | |
| Elevation range total | 100y | inches | 72 | | 61 | | 103 | | 52 | | 70 | | 84.6 | | 84.6 | | 75.6 | | 90 | | 144 | | 144 | | 144 | | 144 | | 144 | | 90 | | 126 | | 105 | | 94 | | 84 | | 105.4 | | 144 | | 115 | |
| Elevation range total | 100m | cm | 200 | | 170 | | 285 | | 145 | | 190 | | 235 | | 235 | | 210 | | 250 | | 400 | | 400 | | 400 | | 400 | | 400 | | 250 | | 350 | | 291 | | 261 | | 232 | | 291 | | 400 | | 320 | |
| Windage range total | 100y | inches | 72 | | 61 | | 72 | | 52 | | 51 | | 84.6 | | 84.6 | | 75.6 | | 90 | | 144 | | 144 | | 144 | | 144 | | 144 | | 90 | | 126 | | 105 | | 94 | | 84 | | 105 | | 144 | | 115 | |
| Windage range total | 100m | cm | 200 | | 170 | | 200 | | 145 | | 140 | | 235 | | 235 | | 210 | | 250 | | 400 | | 400 | | 400 | | 400 | | 400 | | 250 | | 350 | | 291 | | 261 | | 232 | | 291 | | 400 | | 320 | |
| Parallax compensation | Parallax free at x distance | | 100 yds | | 100yds | | 25yds to infinity | | 100m | | 25yds to infinity | | 100m | | 100m | | 10y to infinity | | 10y to infinity | | 100m | | 100m | | 100m | | 100m | | 10y to infinity | | 100m | | 10y to infinity | | 10y to infinity | | 100m | | 100m | | 10y to infinity | | 10x to infinity | | | |
| Transmission Daylight | ISO 14490-5:2005 | | 90.00% | | 90.00% | | 90.00% | | 90.00% | | 90.00% | | 87.00% | | 87.00% | | 90.00% | | 90.00% | | 90.00% | | 90.00% | | 90.00% | | 90.00% | | 90.00% | | 87.00% | | 87.00% | | 87.00% | | 91.00% | | 90.00% | | 90.00% | | 92.00% | | | |
| Height | Without covers | inches | 1.8 | | 1.8 | | 2.5 | | 1.9 | | 2.6 | | 2.44 | | 2.44 | | 1.88 | | 2.12 | | 1.88 | | 1.88 | | 1.88 | | 1.88 | | 2.1 | | 2.38 | | 2.3 | | 2.3 | | 1.9 | | 2.4 | | 2.9 | | 2.9 | | | |
| Height | Without covers | mm | 45 | | 45 | | 64 | | 49.3 | | 66.3 | | 62 | | 62 | | 47.9 | | 54 | | 47.9 | | 47.9 | | 47.9 | | 47.9 | | 54 | | 60.5 | | 58.5 | | 58.5 | | 49.3 | | 61.0 | | 74.3 | | 74.3 | | | |
| Width | Without covers | inches | 1.8 | | 1.8 | | 2.8 | | 2.8 | | 3.2 | | 2.44 | | 2.85 | | 3.2 | | 3.34 | | 2.66 | | 2.66 | | 2.66 | | 2.66 | | 3.34 | | 3.1 | | 3.7 | | 3.7 | | 2.6 | | 3.1 | | 4.2 | | 4.2 | | | |
| Width | Without covers | mm | 45 | | 45 | | 71 | | 72 | | 82.5 | | 62 | | 72.6 | | 81.2 | | 85 | | 67.5 | | 67.5 | | 67.5 | | 67.5 | | 85 | | 79 | | 94 | | 94 | | 65.7 | | 79 | | 107.5 | | 107.5 | | | |
| Weight | Without covers | ounces | 14.1 | | 13.8 | | 29 | | 22.6 | | 27.2 | | 21.87 | | 22.57 | | 24 | | 29.3 | | 16.9 | | 19.5 | | 20.28 | | 20.28 | | 20.92 | | 29.27 | | 17.77 | | 23.88 | | 25.32 | | 19.8 | | 27 | | 29.4 | | 31.8 | |
| Weight | Without covers | grams | 400 | | 390 | | 822 | | 640 | | 770 | | 620 | | 640 | | 629 | | 830 | | 459 | | 496 | | 575 | | 575 | | 593 | | 830 | | 504 | | 677 | | 718 | | 560 | | 765 | | 835 | | 901 | |
| Turrets | Type | | Capped with GPOBTS | | Capped with GPOBTS | | MOA target | | Capped | | MOA target | | Capped Passion Trac New Turret | | Capped Passion Trac New Turret | | Capped Passion Trac New Turret | | Capped Passion Trac New Turret | | Capped Passion Trac New Turret | | Capped Passion Trac New Turret | | Capped Passion Trac New Turret | | Capped Passion Trac New Turret | | Capped Passion Trac New Turret | | Capped Passion Trac New Turret | | Capped Passion Trac New Turret | | Capped Passion Trac New Turret | | MRAD | | MRAD Lockable | | MRAD, Lock, Zstop | | MRAD Lock, Zstop | | | |
| Reticle Options | Plex - Standard crosshair G4 = German #4 G4i = German #4 illuminated G4i Drop = G4i and ballistic drop HS(i) = Horseshoe illuminated HS(i)-CQB = Horseshoe coarse mil MOA = wires set at 1 MOA @100 BR = Ballistic reticle BRI = Illuminated ballistic reticle BRWi - illuminated ballistic/wind reticle LRI Pro - illuminated ballistic milSpec | | Plex | | Plex | | MOA | | G4 | | MOA | | G4 | | G4i Drop | | G4i G4i DROP | | G4i | | G4i | | G4i | | G4i Drop | | BRWi | | G4i | | BRI | | G4i | | G4i BRI | | G4i | | HS(i) - CQB | | HS(i) | | BRI | | LRI Pro | |