

GPS mount for GPS Antennas for Other Frequencies

DESCRIPTION

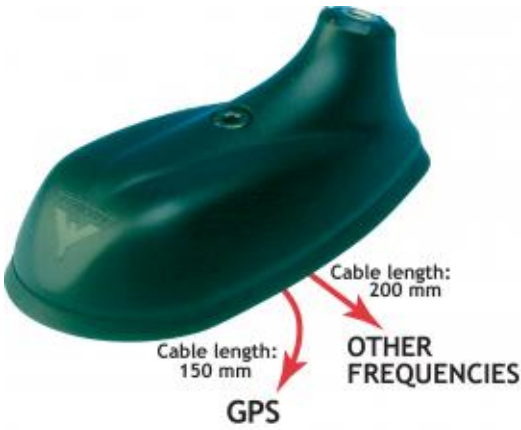
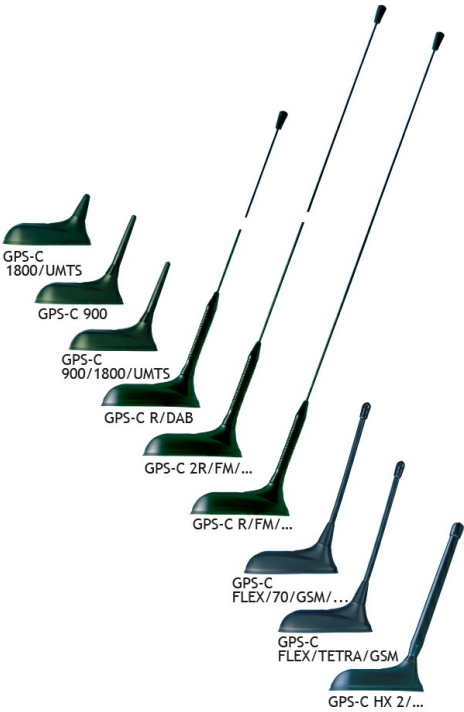
- GPS-antenna for fixed installations.
- External antenna whip mounted on the GPS-Combi mount.
- Full hemispherical coverage.
- Built-in high-gain, low-noise amplifier.
- Right-Hand Circular Polarization (RHCP).
- 5 V supply voltage (3 V respectively 12 V available on request).
- DC supply via RF-connector.
- Tools for mounting included.

ORDERING

Type	Product No.
GPS-COMBI MOUNT	132000003

WHIP EXAMPLES

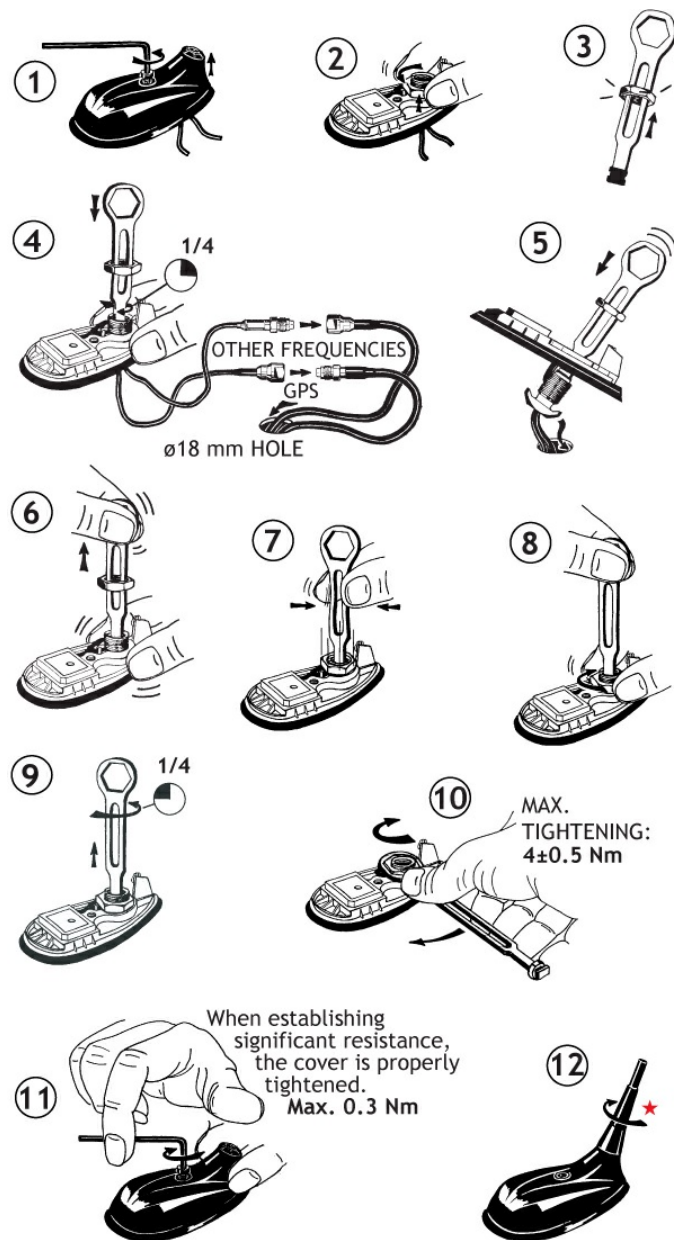
See back of this page for complete application survey of Procom's wide range of GPS-C models.



SPECIFICATIONS

Electrical	
Model	GPS-COMBI MOUNT
Frequency	1575 MHz
Antenna Type	Active patch antenna
Polarisation	Circular
Pattern Type	Hemispherical
Impedance	50 Ω
Gain	28 dBic in axial direction (typ.)
Cross Polar Attenuation	> 10 dB (typ.)
Selectivity	> 45 dB down @ +/- 45 MHz
Mechanical	
Connection(s)	FME (male for GPS) + FME (female for mobile antenna)
Max. Roof Thickness	2.5 mm / 0.10 in.
GPS Antenna	
P1dB (GPS Amplifier)	Approx. +7 dBm
Noise Figure (GPS Amplifier)	< 1 dB (typ.)
Gain (GPS Amplifier)	> 30 dB (typ.)
VSWR (GPS Amplifier)	< 2.0:1
Operating Temperature Range (GPS)	-35 to 75 °C
Installation Torque (GPS)	4 ± 0.5 Nm
Weight (GPS)	0.114 kg / 0.25 lb
Power Supply (GPS)	5 ± 0.5 VDC (3 V resp. 12 V on request)
Current Consumption (GPS Amplifier)	0.025 mA
Dimensions (GPS)	Approx. 30 x 89 mm
Colour (GPS)	Black
Materials (GPS)	Cu-nite brass, Stainless steel, Reinforced thermoplastic

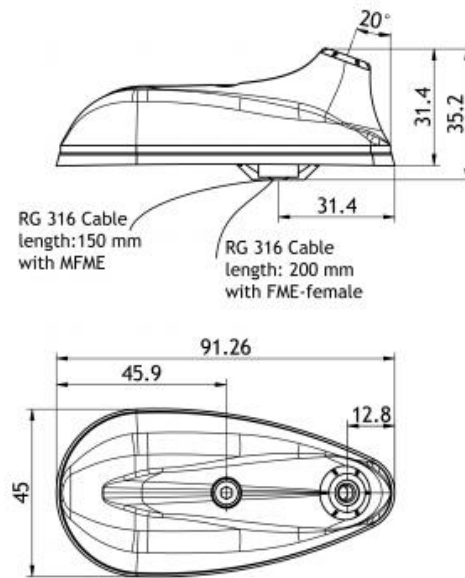
## MOUNTING INSTRUCTIONS



★ The whip should always be dismantled during car wash.

Do not use sealer on rubber gasket or other places.

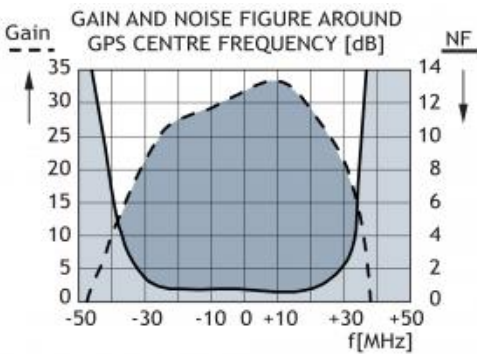
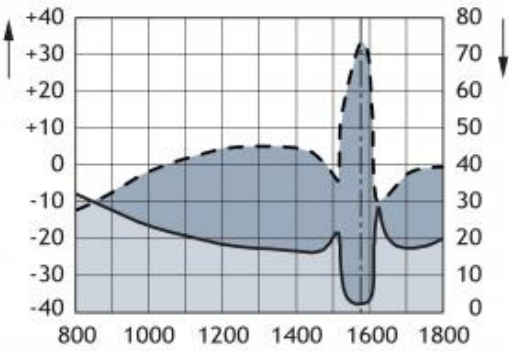
## MOUNTING DETAILS



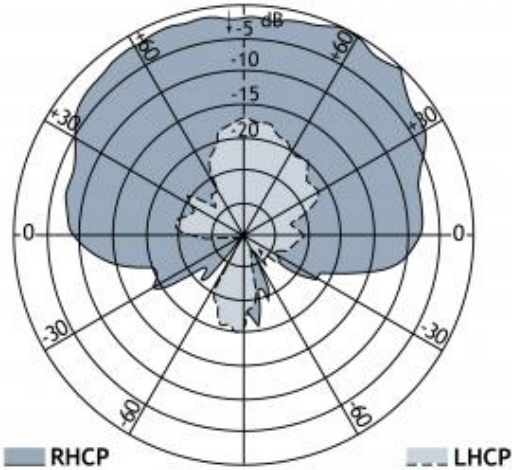
## TOOL



TYPICAL RESPONSE CURES



VERTICAL RADIATION PATTERN



INSTALLATION

The various GPS-Combimodels can be connected to the following devices:

	GPS NAVIGATION	MOBILE TELEPHONE	RADIO TELEPHONE	CAR RADIO	DPMFLEX TO BT USED	111 124 135 136 20	138 139 140 141	142 143 144 145 146	147 148 149 150 151 152	153 154 155 156 157 158	159 160 161 162 163 164	165 166 167 168 169 170	171 172 173 174 175 176	177 178 179 180 181 182	183 184 185 186 187 188	189 190 191 192 193 194	195 196 197 198 199 200	201 202 203 204 205 206	207 208 209 210 211 212	213 214 215 216 217 218	219 220 221 222 223 224	225 226 227 228 229 230	231 232 233 234 235 236	237 238 239 240 241 242	243 244 245 246 247 248	249 250 251 252 253 254	255 256 257 258 259 260	261 262 263 264 265 266	267 268 269 270 271 272	273 274 275 276 277 278	279 280 281 282 283 284	285 286 287 288 289 290	291 292 293 294 295 296	297 298 299 300 301 302	303 304 305 306 307 308	309 310 311 312 313 314	315 316 317 318 319 320	321 322 323 324 325 326	327 328 329 330 331 332	333 334 335 336 337 338	339 340 341 342 343 344	345 346 347 348 349 350	351 352 353 354 355 356	357 358 359 360 361 362	363 364 365 366 367 368	369 370 371 372 373 374	375 376 377 378 379 380	381 382 383 384 385 386	387 388 389 390 391 392	393 394 395 396 397 398	399 400 401 402 403 404	405 406 407 408 409 410	411 412 413 414 415 416	417 418 419 420 421 422	423 424 425 426 427 428	429 430 431 432 433 434	435 436 437 438 439 440	441 442 443 444 445 446	447 448 449 450 451 452	453 454 455 456 457 458	459 460 461 462 463 464	465 466 467 468 469 470	471 472 473 474 475 476	477 478 479 480 481 482	483 484 485 486 487 488	489 490 491 492 493 494	495 496 497 498 499 500	501 502 503 504 505 506	507 508 509 510 511 512	513 514 515 516 517 518	519 520 521 522 523 524	525 526 527 528 529 530	531 532 533 534 535 536	537 538 539 540 541 542	543 544 545 546 547 548	549 550 551 552 553 554	555 556 557 558 559 560	561 562 563 564 565 566	567 568 569 570 571 572	573 574 575 576 577 578	579 580 581 582 583 584	585 586 587 588 589 590	591 592 593 594 595 596	597 598 599 600 601 602	603 604 605 606 607 608	609 610 611 612 613 614	615 616 617 618 619 620	621 622 623 624 625 626	627 628 629 630 631 632	633 634 635 636 637 638	639 640 641 642 643 644	645 646 647 648 649 650	651 652 653 654 655 656	657 658 659 660 661 662	663 664 665 666 667 668	669 670 671 672 673 674	675 676 677 678 679 680	681 682 683 684 685 686	687 688 689 690 691 692	693 694 695 696 697 698	699 700 701 702 703 704	705 706 707 708 709 710	711 712 713 714 715 716	717 718 719 720 721 722	723 724 725 726 727 728	729 730 731 732 733 734	735 736 737 738 739 740	741 742 743 744 745 746	747 748 749 750 751 752	753 754 755 756 757 758	759 760 761 762 763 764	765 766 767 768 769 770	771 772 773 774 775 776	777 778 779 780 781 782	783 784 785 786 787 788	789 790 791 792 793 794	795 796 797 798 799 800	801 802 803 804 805 806	807 808 809 810 811 812	813 814 815 816 817 818	819 820 821 822 823 824	825 826 827 828 829 830	831 832 833 834 835 836	837 838 839 840 841 842	843 844 845 846 847 848	849 850 851 852 853 854	855 856 857 858 859 860	861 862 863 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