

## GRN Series

### Highly flexible UHF ground independent whips UHF / LMR / GRN 330-650 MHz

  
In-stock  
Ready to  
Ship  
\*Build to order  
item  
Minimum Order  
Qty 5

The GRN series of half wave UHF highly flexible mobile antennas are virtually unbreakable. Perfect for rugged off-road driving, forklifts and tractors. The GRNFC denotes a fixed cable exiting the bottom of the mount ferrule. The standard GRN series comes with a detachable 4.7 metres MIL-SPEC RG58A/U stranded coaxial cable base.

	GRN Series	GRNFC Series
Construction	Black flexible radome, black polyamide moulded ferrule, internal connector, detachable external cable assembly and coloured identification cap	
Frequency range select frequency or specify requirements	GRN/GRNFC340 - 330-350 MHz*	GRN/GRNFC370 - 360-380 MHz*
	GRN/ GRNFC385 - 375-395 MHz*	GRN/ GRNFC410 - 400-420 MHz*
	GRN/ GRNFC430 - 420-440 MHz*	GRN/ GRNFC460 - 450-470 MHz
	GRN/ GRNFC480 - 470-490 MHz	GRN495 - 490-500 MHz*
	GRN/ GRNFC510 - 500-520 MHz	GRN570 - 555-585 MHz*
	GRN650 - 635-665 MHz*	
Tuning	Factory	
VSWR	Average: <1.5:1, Maximum: <2:1	
Gain	4 dBi	
H Plane	360° omnidirectional ± 1 dBd	
Impedance	50 Ohms	
Maximum power	50 Watts	
Polarisation	Vertical	
Weight	360grams	320grams
Height & cap colour	GRN/ GRNFC340 - 450mm <u>Black</u>	GRN/ GRNFC370 - 430mm <u>Black</u>
	GRN/ GRNFC385 - 400mm <u>Green</u>	GRN/ GRNFC410 - 360mm <u>White</u>
	GRN/ GRNFC430 - 350mm <u>Brown</u>	GRN/ GRNFC460 - 340mm <u>Red</u>
	GRN/ GRNFC480 - 330mm <u>Blue</u>	GRN495 - 320mm <u>Black</u>
	GRN/ GRNFC510 - 310mm <u>Yellow</u>	GRN570 - 425mm <u>Black</u>
	GRN/ GRNFC510 - 310mm <u>Yellow</u>	
Connector	UHF male PL259 supplied, not fitted for ease of installation	FME female fitted to cable, FME male to UHF male adaptor supplied
Cable	Detachable 4.7 metres MIL-SPEC RG58A/U*	4.7 metres MIL-SPEC RG58A/U fixed - bottom exit from base
Mounting hardware order separate	Bullbar: BBM-SS, BBML-SS, BBMXL-SS or BBKB-B Truck Mirror: MRM-SS Bracket Mounting: GM1, GM2, GM6	
Mounting position recommended	Mount as high on your vehicle or structure as possible using an appropriate 16mm (GRN) or 10mm (GRNFC) bracket or hole.	



GRN460 - Requires 18mm and 25mm spanners for securing base



GRNFC series - requires 14mm spanner for split nut securing

\* can be supplied with 6.0-8.0 metre cable assembly upon request.



## GRN-TPM Series

Highly flexible UHF Ground independent replacement whips  
UHF / LMR / GRN 330-650 MHz



The GRN-TPM series of half wave UHF highly flexible mobile whip tops are virtually unbreakable. Perfect for rugged off-road driving, forklifts and tractors or where high risk of damage may occur.

Mounting hardware, adaptors, connectors and other installation accessories are all available separately.

Construction	Black nylon radome, moulded polyamide ferrule, internal termination and colour identification cap	
Frequency range select frequency/model	GRN340-TPM* - 330-350 MHz	GRN350-TPM* - 340-360 MHz
	GRN370-TPM* - 360-380 MHz	GRN385-TPM* - 375-395 MHz
	GRN390-TPM* - 380-400 MHz	GRN410-TPM - 400-420 MHz Lower GRN/LMR compatible - Australia-wide
	GRN430-TPM* - 420-440 MHz	GRN460-TPM - 450-470 MHz
	GRN480-TPM - 470-490 MHz	GRN510-TPM* - 500-520 MHz
	GRN570-TPM - 555-585 MHz	GRN650-TPM - 630-650 MHz
Tuning	Factory	
VSWR	Average: <1.5:1, Maximum: <2:1	
Gain	4 dBi	
H Plane	360° omnidirectional ± 1 dBd	
Impedance	50 Ohms	
Maximum power	50 Watts	
Polarisation	Vertical	
Weight	120grams	
Height and cap colour	GRN340-TPM - 450mm <u>Black</u>	GRN350-TPM - 440mm <u>Black</u>
	GRN370-TPM - 430mm <u>Black</u>	GRN385-TPM - 400mm <u>Green</u>
	GRN390-TPM - 410mm <u>Green</u>	GRN410-TPM - 360mm <u>White</u>
	GRN430-TPM - 350mm <u>Brown</u>	GRN460-TPM - 340mm <u>Red</u>
	GRN480-TPM - 330mm <u>Blue</u>	GRN510-TPM - 310mm <u>Yellow</u>
	GRN570-TPM - 425mm <u>Black</u>	GRN650-TPM - 425mm <u>Black</u>
Connector - supplied	UHF male located in base of ferrule	
Mounting hardware order separate	7994 - requires cable / RA-4.7/ RA-6.0/ RA-8.0 or MGB-UHF	
Mounting position recommended	Mount as high on your vehicle or structure using an appropriate base and 16mm holed bracket or magnetic base	

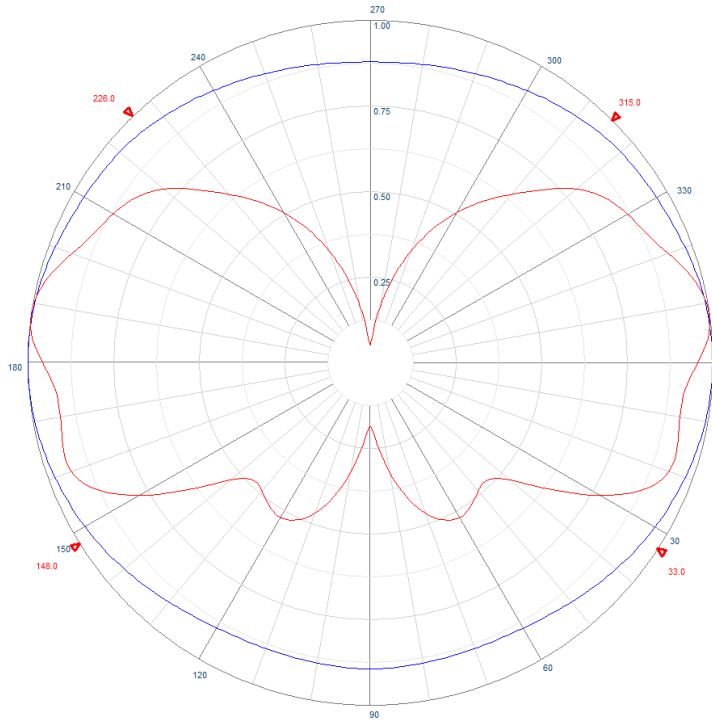


UHF male embedded into mount ferrule

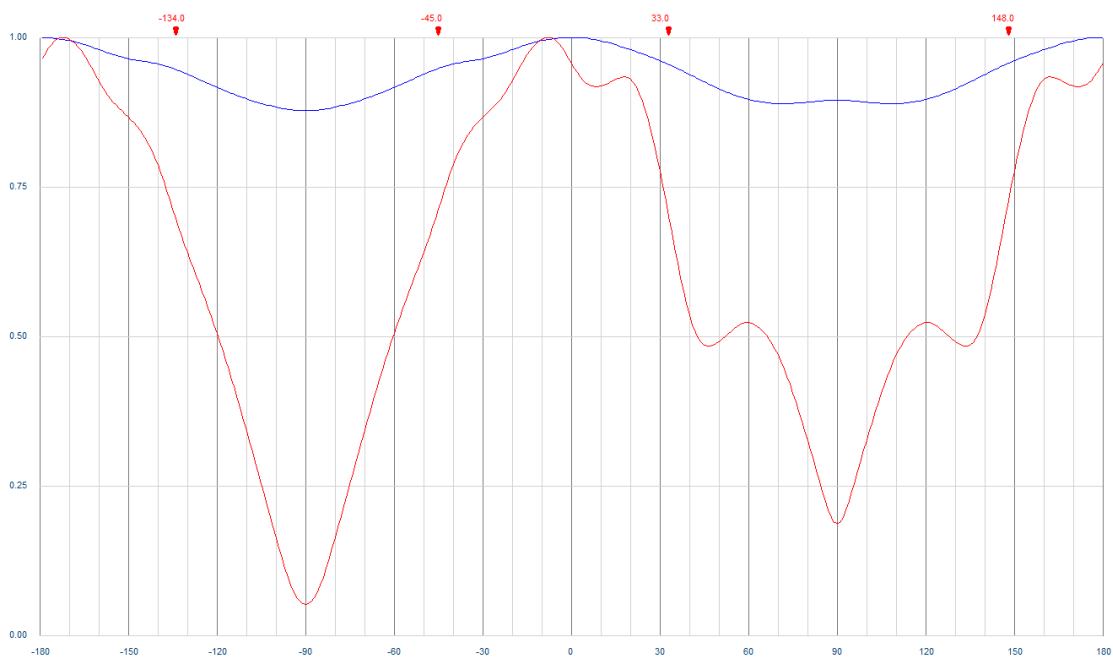


# GRN-TPM Series

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Example polar radiation pattern - mV

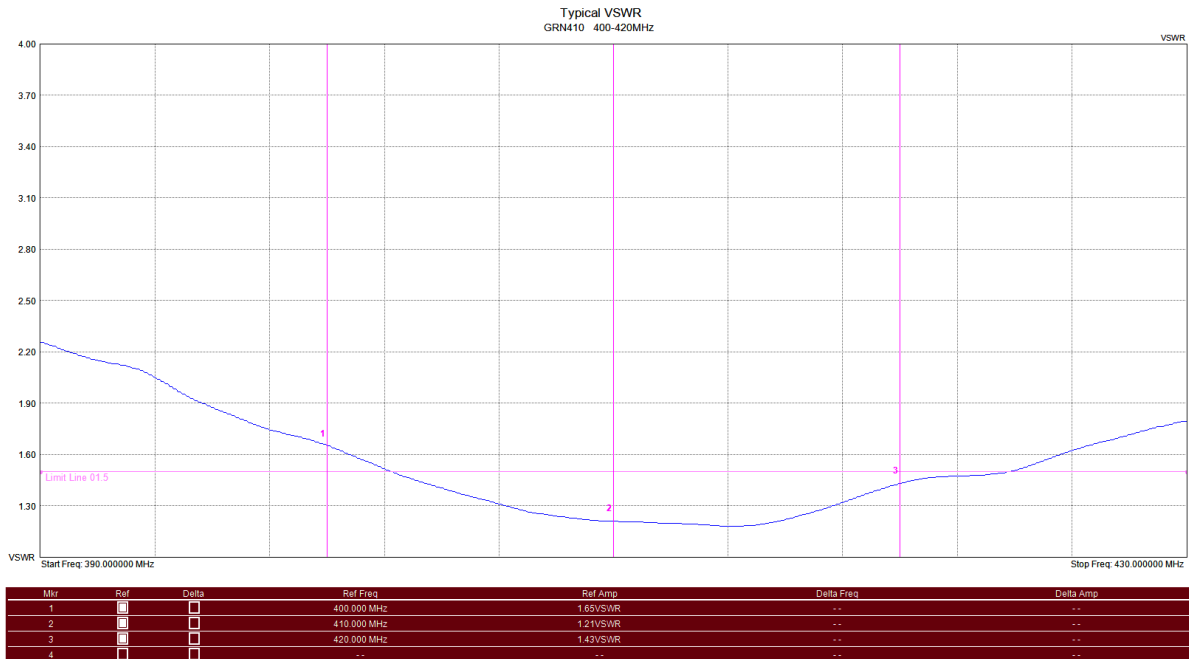


Example cartesian radiation pattern - mV

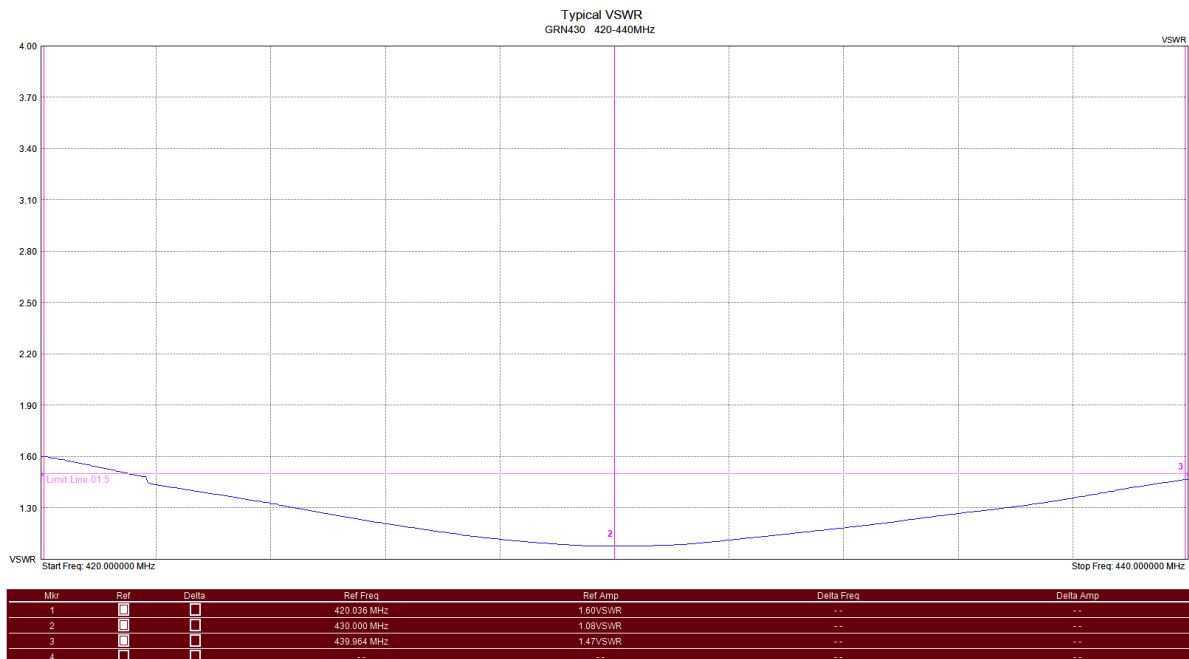


## GRN-TPM Series

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Typical VSWR - GRN410/GRN410-TPM



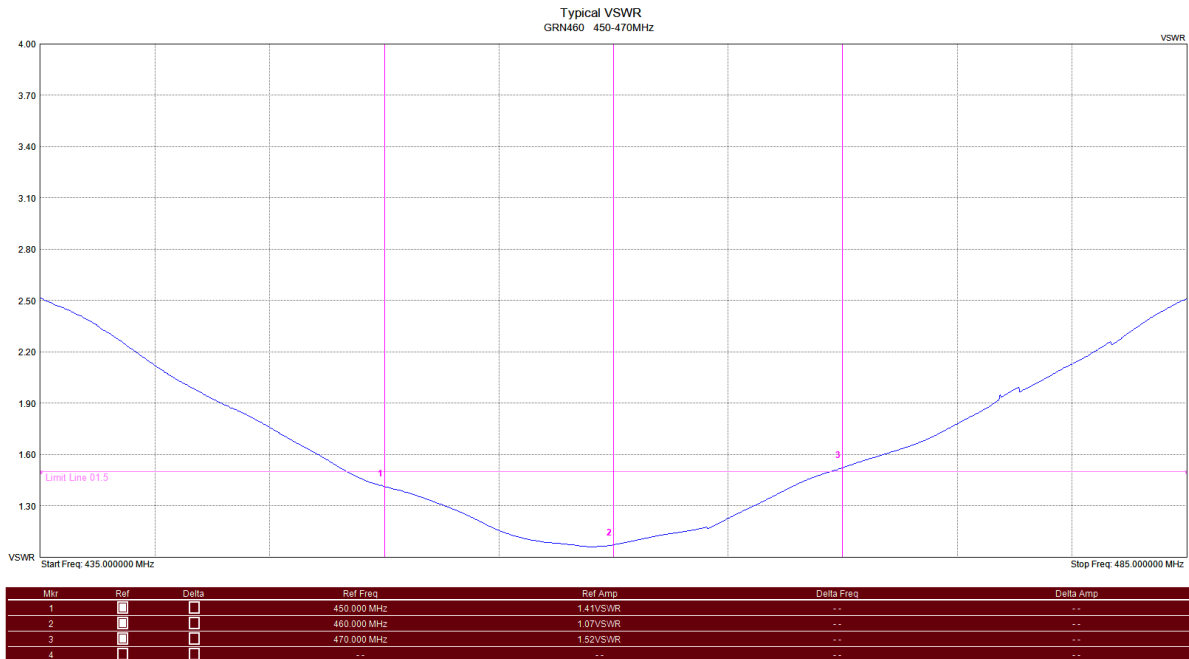
Typical VSWR - GRN430/GRN430-TPM



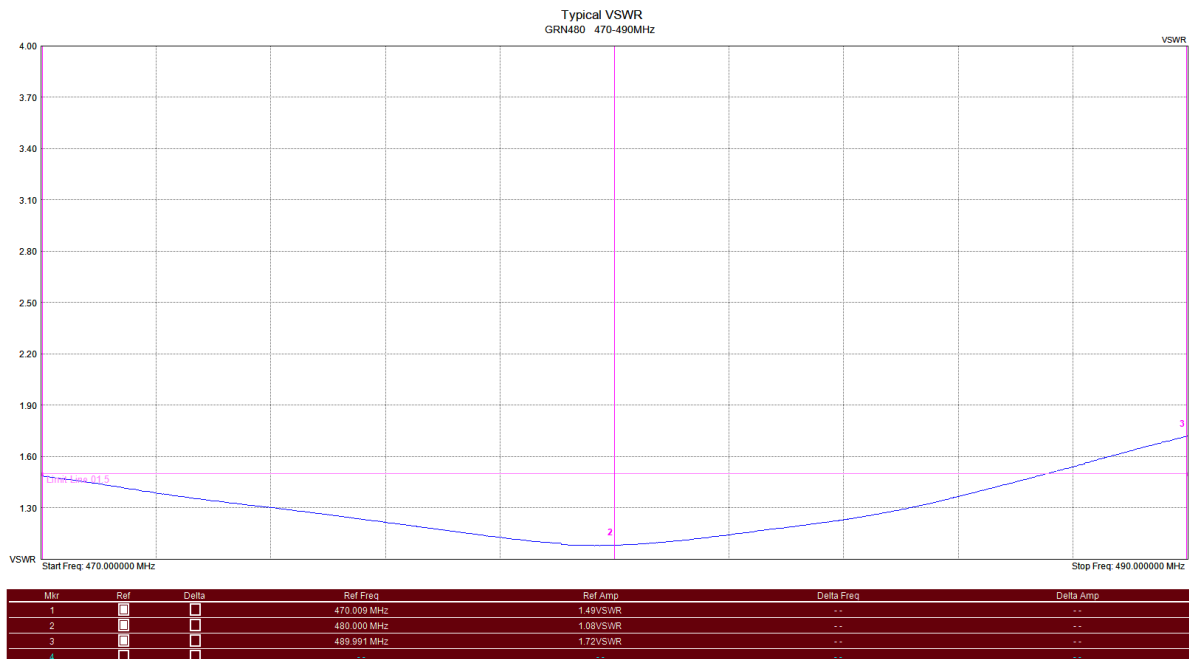
## GRN-TPM Series

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\*Build to order item  
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Typical VSWR - GRN460/GRN460-TPM



Typical VSWR - GRN480/GRN480-TPM

## GRN-TPM Series

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### Recommended installation accessories - GRN-TPM series



P/N 7944 - right-angle UHF female connector, no cable

Requires 16mm mount hole  
Requires 18mm & 25mm spanners



RA-4.7 - right-angle UHF female terminated 4.7m MIL-SPEC RG58A/U cable and UHF male PL259 connector supplied

Requires 16mm mount hole  
Requires 18mm & 25mm spanners



MGB-UHF - Black powdercoated magnetic mount base, 4.7 metres MIL-SPEC RG58A/U coaxial cable, UHF male PL259 supplied

105mm diameter



ZMB-90 - Black powdercoated magnetic mount base, 5 metres MIL-SPEC RG58A/U coaxial cable, UHF male PL259 fitted

90mm diameter

### Additional installation accessories



BBM-SS series - wrap around mount, 50-70mm diameter tube capability

16mm mount hole

Requires 10mm spanner



GM1 - 304 stainless steel 'L' mount bracket

16mm mount hole



GM2 - 304 stainless steel 'Z' mount bracket

16mm mount hole



GM6 - 304 stainless steel 'L' mount bracket with mount slot

16mm mount slot



MRM-SS - 304 stainless steel 'Mirror mount' clamp bracket

16mm mount hole

Requires 10mm spanner



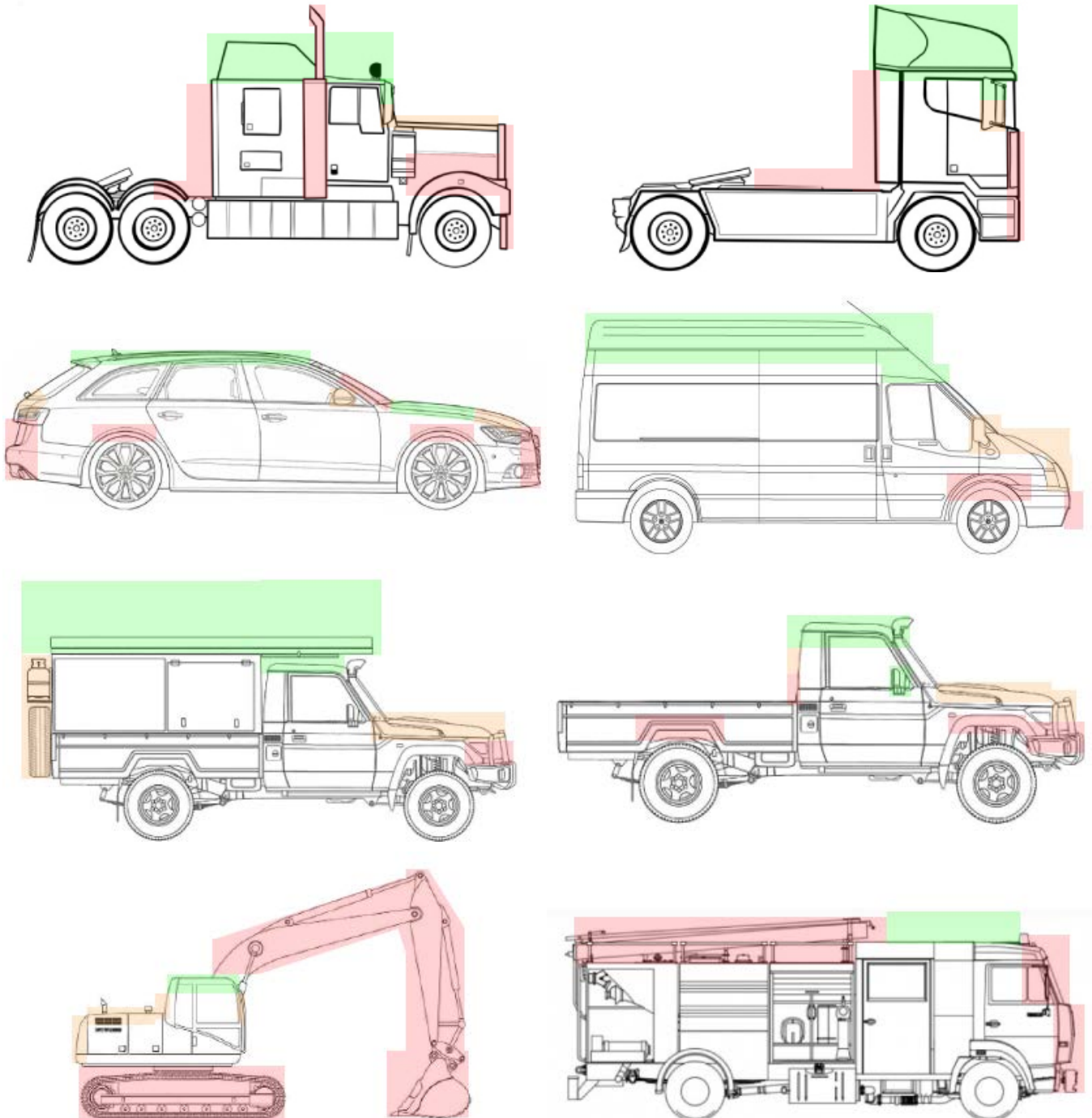
A-6211 - 304 stainless steel 'L' offset mount bracket, 200mm offset

16mm mount hole

## GRN-TPM Series

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Vehicle Mounting locations



- Best/Recommended location for mounting
- Suitable mounting locations
- Not suitable mounting locations