



PRECISION  
TRIHEDRAL  
REFLECTOR

<b>Frequency range</b>	Microwave domain Ku Ka	
<b>Measurement option</b>	Upon request	
	The reflector can be used on all the frequency range.	
<b>Response</b>	Monostatic	
<b>Polarization</b>	Rectilinear. The reflected wave is on the same plane as the wave interrogating the reflector.	
<b>Dimension</b>	Upon request. Determination of the relevant dimension for the R.C.S. specifications.	
<b>Options (upon request)</b>		<ul style="list-style-type: none"> <li>* Possibility of delivering standard trihedral reflectors or offset trihedral reflectors (much more wide aperture)</li> <li>* Surface treatment (Lanthane VS621, painting...)</li> </ul>
<b>Interface trihedral reflector/support</b>	Standard interface Development of any other interface upon request	
<b>Specific packaging</b>		
<b>⚠ Usage precautions</b>	<p>The response of the trihedral reflector depends on the environment.</p> <ul style="list-style-type: none"> <li>• Avoid thick fairing</li> <li>• Avoid fairing made of dielectrical material with important losses</li> <li>• Avoid any object (especially metallic) positioned between the trihedral and the radar (strap, screw...)</li> <li>• Take care in mounting</li> </ul>	



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Example of precision trihedral reflector

TTOU150	Theoretical Radar Cross Section (sqm)		Internal edge (mm)	Weight (kg)
	F = 24 GHz	F = 35 GHz		
RCS axis	3,5	7,4	150	Around 0,6kg
RCS ±20°	3,4	7,0		

