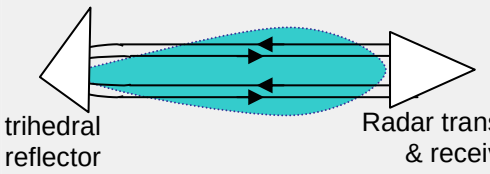
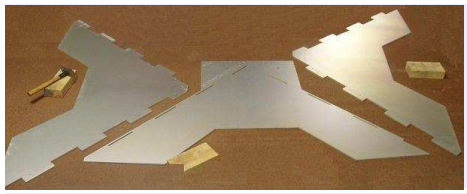
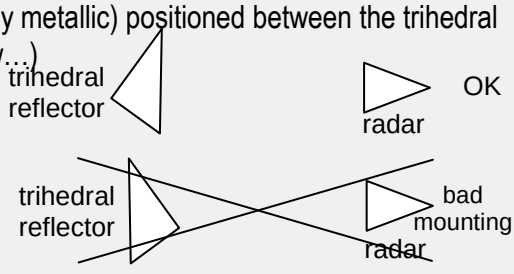
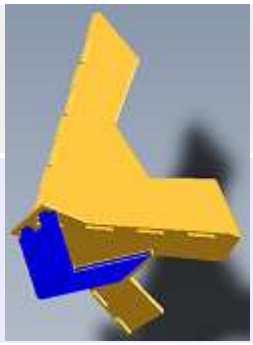
Lun'tech

OFFSET TRIHEDRAL REFLECTORS

Tethys

Frequency range	Microwave domain
Measurement option	On request The reflector can be used on a very wide frequency range.
Response	Monostatic 
Polarization	Rectilinear. The reflected wave is on the same plane as the wave interrogating the reflector.
Dimension	On request. Determination of the relevant dimension for the R.C.S. specifications.
Options (on request)	 * Possibility of delivering dismantled (see picture) * Surface treatment (Alodine treatment, painting…)
Interface trihedral reflector/support	Standard interface Development of any other interface on request
Specific packaging	 
⚠ **Precautions of use**	The response of the trihedral reflector depends on the environment. • Avoid thick fairing • Avoid fairing made of dielectrical material with important losses • Avoid any object (especially metallic) positioned between the trihedral and the radar (strap, screw…) • Take care in mounting 



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Example of offset trihedral reflector

TTO555	Theoretical Radar Cross Section (sqm)			Internal edge (mm)	Weight without fixing (kg)
	F = 3,3 GHz	F = 9,375GHz	F = 16,5GHz		
RCS axis	13	109	340	555	Around 6kg
RCS ±20°	12	95	300