



# Cabri G2 Direct Operating Cost Europe 2020

## Notes

This estimate is made on a fair basis, for Information only. In no case it could tie Helicopteres Guimbal. Required time for inspections are considered for experienced mechanics. They exclude defects correction, aircraft washing and paperwork. All prices are tax excluded.

Labor and Consumable Cost Base	
Labor	80,0 €/h
AVGAS	1,5 €/L
Oil	12 €/L

## Scheduled Maintenance

	Periodicity	Parts Kit	Labor	Total Cost	Hourly Cost
50-hour Inspection	50 h	106 €	4 h	426 €	4,4 €/fl.hr
100-hour Inspection	100 h	201 €	12 h	1 161 €	9,5 €/fl.hr
Sparkplugs Replacement	200 h	244 €	-	244 €	1,2 €/fl.hr
Lycoming SB 388	300 h	-	4 h	320 €	1,1 €/fl.hr
500-hour Inspection	500 h	938 €	25 h	2 938 €	5,9 €/fl.hr
					<b>22,1 €/fl.hr</b>

## Unscheduled Maintenance

	Periodicity	Parts Cost	Labor	Total Cost	Hourly Cost
Average Wearing		<i>See Table Next Page</i>			13,1 €/fl.hr
Provision for SBs	100 h	150 €	2 h	310 €	3,1 €/fl.hr
Provision for Unexpected		<i>Fair Estimation</i>			7,5 €/fl.hr
					<b>23,7 €/fl.hr</b>

## Provision for Flight Hour-Limited Equipment

	Limit	Parts Cost	Labor	Total Cost	Hourly Cost
Engine Overhaul - Exchange	2 200 h	20 000 €	16 h	21 280 €	9,7 €/fl.hr
Engine Overhaul Parts Kit	2 200 h	3 842 €	24 h	5 762 €	2,6 €/fl.hr
MGB Overhaul	2 200 h	15 050 €	12 h	16 010 €	7,3 €/fl.hr
TGB Overhaul	2 200 h	4 850 €	6 h	5 330 €	2,4 €/fl.hr
					<b>22,0 €/fl.hr</b>

## Provision for Time-Limited Equipment

	Limit	Parts Cost	Labor	Total Cost	Yearly Cost
Fuel Bladder	15 Years	11 950 €	4 h	12 270 €	818 €/Year
Seat Belts	12 Years	1 890 €	4 h	2 210 €	184 €/Year
					<b>1 002 €/Year</b>

## Fuel & Oil Consumption

	Hourly Cons.	Hourly Cost
AVGAS	38 L/fl.hr	57,0 €/fl.hr
Engine Oil	0,1 L/fl.hr	1,2 €/fl.hr
		<b>58,2 €/fl.hr</b>

## Yearly Fixed Costs

	Yearly Cost
CAMO	1 000 €/Year
Insurance Hull + Liability (multi-pilot, training, average)	12 000 €/Year
<b>13 000 €/Year</b>	

## Direct Operating Cost

Flight Hours per Year	300 h	600 h	900 h
Yearly Fixed Cost per Hour	47 €/fl.hr	23 €/fl.hr	16 €/fl.hr
<b>Total Direct Cost</b>	<b>173 €/fl.hr</b>	<b>149 €/fl.hr</b>	<b>142 €/fl.hr</b>



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Estimated Average Wearing					
	Periodicity	Parts Cost	Labor	Total Cost	Hourly Cost
Muffler Refurbishment	500 h	215 €	4 h	535 €	1,1 €/fl.hr
Belt Replacement	1 500 h	350 €	4 h	670 €	0,4 €/fl.hr
Lead Lag Damper Rod-Ends	1 000 h	2 370 €	3 h	2 610 €	2,6 €/fl.hr
Pitch Links Rod-Ends	1 000 h	825 €	3 h	1 065 €	1,1 €/fl.hr
Pitch Links	3 000 h	3 285 €	3 h	3 525 €	1,2 €/fl.hr
Elastomerics	4 400 h	12 525 €	4 h	12 845 €	2,9 €/fl.hr
Skid Shoes	1 000 h	1 050 €	2 h	1 210 €	1,2 €/fl.hr
Cosmetic	2 200 h	-	-	5 000 €	2,3 €/fl.hr
Battery	1 000 h	315 €	0,25 h	315 €	0,3 €/fl.hr
					<b>13,1 €/fl.hr</b>

**Note:** The above periods are average, based on experience. Actual figures may significantly vary, depending on the usage.

Scheduled Maintenance Parts Kit				
	Price	Periodicity	Parts Kit Summary	
Engine Oil	72 €	50 h	50 h Parts Kit	106 €
Oil Filter	33 €	50 h	100 h Parts Kit	201 €
Screen Gasket	1 €	50 h	200 h Parts Kit	445 €
Air Filter	95 €	100 h	500 h Parts Kit	938 €
Lycoming Sparkplugs	150 €	200 h	2200 h Parts Kit	3 842 €
Plasma Sparkplugs	94 €	200 h		
Gearbox Oil	13 €	500 h		
Magneto Inspection	725 €	500 h		
Alternator Belt	20 €	2 200 h		
Engine Pulley Bearing	185 €	2 200 h		
Cooling Skirts	1 180 €	2 200 h		
Misc	2 000 €	2 200 h		