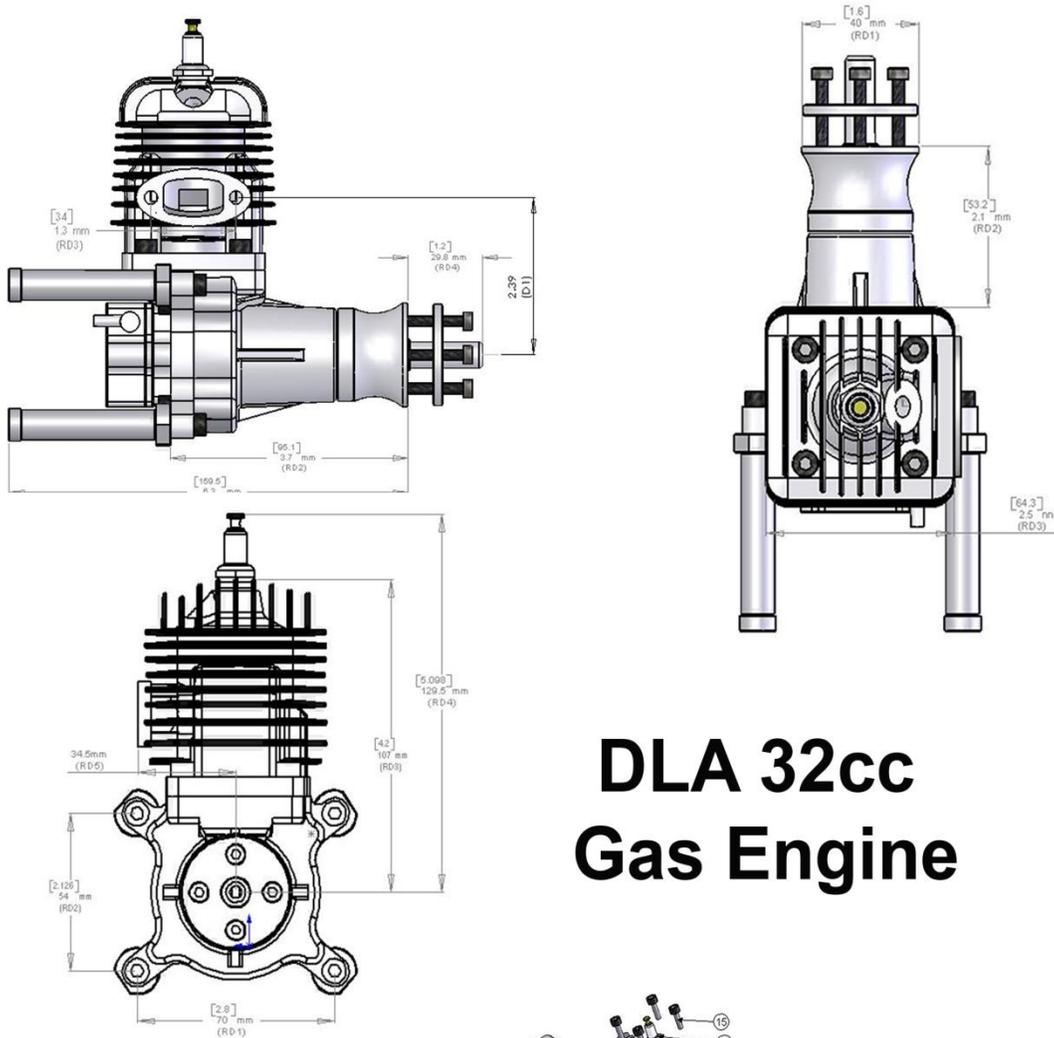
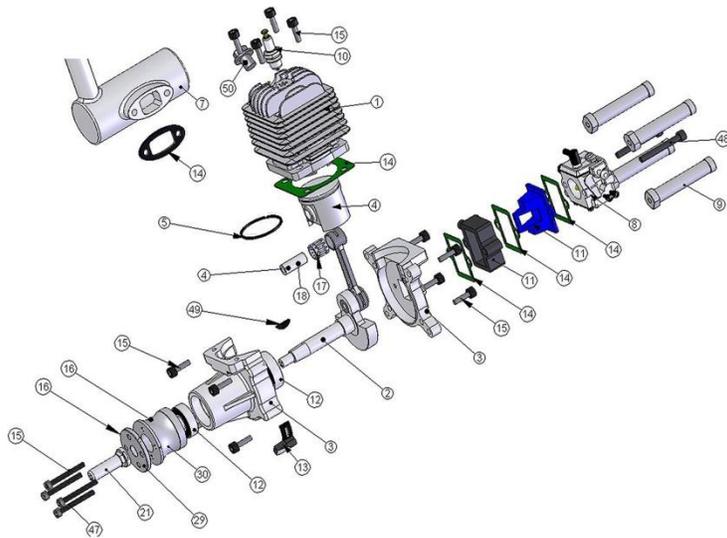


Technical Notes: DLA 32cc



DLA 32cc Gas Engine



32cc Gas Engine Specifications:

DLA 32cc (1.97 in³) Gas Engine

Power:	3.8 HP @ 8200 rpm
Displacement:	32 cc (1.97 in ³)
Idle Speed:	1700 rpm
Static Thrust:	19.4 pounds @ 100 m (~328 ft Altitude) (Pulling Force) 17.2 pounds @ 1800 m (~5,900 ft Altitude)
Propellers (Recommended):	18 x 8 / 10, 19 x 8, 20 x 8
RPM Range:	1700 – 8300 rpm
Carburetor:	Tillotson™, HU-134A (Typ), Diaphragm Pump
Spark Plug:	CM-6 Special
Muffler Volume:	32.23 cc (1.97 in ³)
Cylinder Diameter (Bore) Stroke:	37 mm / 30 mm (1.46 in / 1.18")
Compression Ratio:	7.6 : 1
Gas	87 – 89 Octane, unleaded ("Regular")
Gas : Oil Ratios:	30 – 40:1 Break-in Trial Run; 40 – 50 : 1 Normal Flying
Weights:	Engine: 32.1 oz, Muffler: 2.3 oz, Ignition: 3.5 oz (Total: 37.9 oz = 3.37 lbs)
Ignition:	Fully Advancing, Auto, <u>C</u> apacitive <u>D</u> ischarge <u>I</u> gnition
Ignition Power:	6.6 to 8.4 VDC

Support Information:

Ignition Battery:	2-S, LiPo, 2,100—mAh (Typical) Unregulated 6-S, NiMH, 2,100—mAh (Typical)
Break-in Propeller (Suggested)	18 x 8
Intake Manifold:	4-Leaf Reed Valve, V-Configuration
Items Included in Retail Pkg:	Engine, Muffler / Gasket & Bolts, CD Ignition, Sparkplug, Stand-off Mounts (Machined), Operations Manual (on Website), Bolts—Mounting.

DLA	Mount Dimensions		Mounting Bolts	Stand-Offs	Prop Bolts	Muffler Bolts
	X (mm)	Y (mm)				
32cc	70	54	5.0 x 0.8 - 20 mm	11.3 OD x 65 L mm	4.0 x 0.7 - 35 mm	5.0 x 0.8 - 16 mm

Suggested Items:

- [Gas Tank](#)
- [Fuel Point™](#) (From Golden Skies R/C)
- [Gas Line](#) (From Golden Skies R/C)
- [Ignition Kill Switch](#) (From Golden Skies R/C)
- [Propeller](#)
- 2-Cycle Oil
- Gas Line Filter
- Mounting Template
- Propeller Drill-bit Guide (From Golden Skies R/C)
- Torque Wrench
- [Spinner](#)
- Battery, Ignition
- Tachometer