

# Engine Summary

No	Start Type	Description	Price	Price plus starter £39.89	Price plus mount £13.99	Price plus exhaust pipe £40.99
1	Starter Box	TrackStar SEG 21 Two Stroke Glow Racing Engine	£45.86	£85.75	-	£126.74
2	Starter Box	Fastrax Enduro .21 3 Port Non Pull start Engine	£96.38	£125.64	-	£166.63
3	Pull Start	Hong Nor Force .21 (3.5cc) Engine - SG Crank - Slide carb	£84.99	-	£98.98	£139.97
4	Pull Start	Hobao Hyper 21 3-Port Pull Start Engine (Turbo)	£110.15	-	£124.14	£165.13
5	Pull Start	Dynamite .21 RTR Engine W/PS	£114.99	-	£128.98	£169.97
6	Starter Box	Alpha A-21-CLUB-RACER-CP Club Racer 5 port .21 Size Engine With EFRA 2130 Pipe Combo	£169.99	£209.88	-	-

Cheapest: No 1      Most Expensive: No 6  
£126.74 complete      £209.88 complete

Delta: £81.14

Cheapest Pull Start: No 3      Cheapest Box Start: No 1  
£139.97 complete      £126.74 complete

Delta: £13.23

# Engine Decision Factors

- Question: for the difference of £13 do I go starter box or pull start?
  - Considerations: Engine quality / additional equipment needed to run

# Engine Specs (No pull start)

TrackStar SEG 21 Two Stroke Glow Racing Engine for Car

Displacement: 3.45CC

Bore: 16.26mm

Stroke: 16.80mm

Ports: 3

Carburettor: 8mm

Crankshaft: 14mm SG

RPM: 6,000~38,000

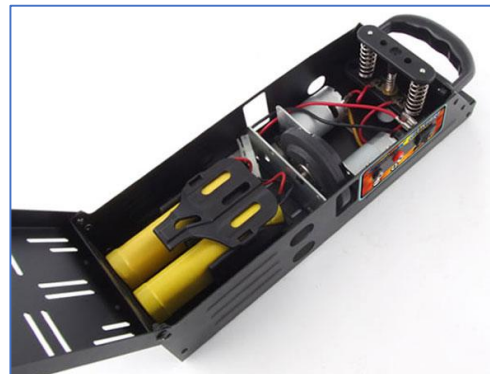
Maximum Power: 2.6hp

Weight: 342g

Starter mechanism

Price: £45.86

Rank: 1



# Engine Specs (No pull start)

Alpha A-21-CLUB-RACER-CP Club Racer 5 port .21 Size Engine With EFRA 2130 Pipe Combo



Displacement	3.45cc
Bore	16.26mm
Stroke	16.8mm
Practical R.P.M.	3000~3980rpm
Power Output	2.480PS/3980rpm
Weight	about 350g
Ports	5 Ports
Sleeve	ABC
Crankshaft Diam	14mm diameter
Glow Plug Type	Turbo
Exhaust	Rear
Carburetor Diam	8mm (Variable)
Case Material	Aluminum

Price: £169.99  
Rank: 7



Fastrax Enduro .21 3 Port Non Pull start Engine

Ports: 3

Capacity: 3.49cm3

Crankshaft: SG

Piston Bore: 16.26mm

Displacement: 3.5cc (0.21ci)

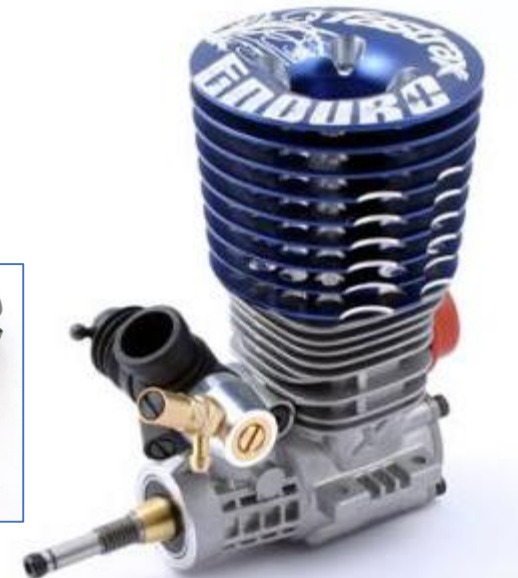
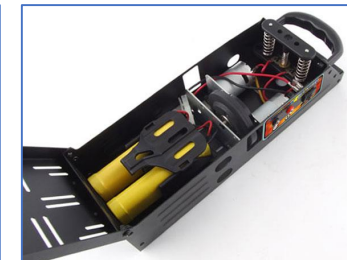
Starter: Flywheel Start

There's a pull start version of this engine but I cant seem to find anyone who has one in stock

Price: £96.38

Rank: 2

Starter mechanism



# Engine Specs (Pull start)

SH .21 Engine

Size: 21

Shaft Type: OS Shaft

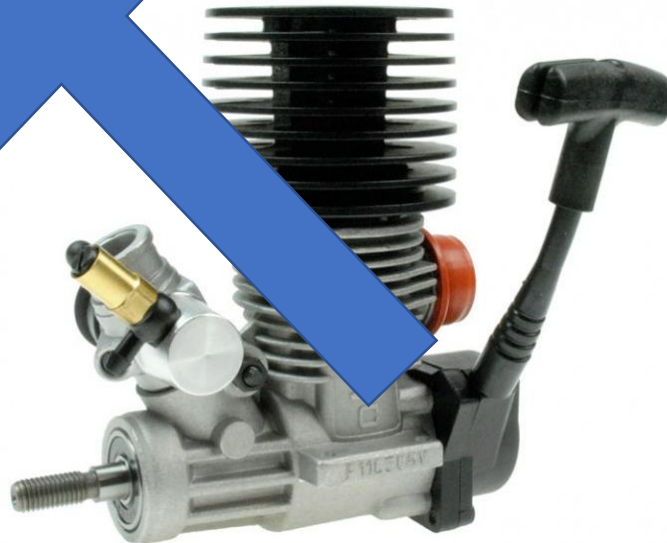
Starter Type: Pull Start

Manufacturer: Home-Tech

SKU: 3B1101

Price: £86.81

Rank: 4



Hong Nor Force .21 (3.5cc) Engine - SG Crank - Slide carb

Part Number: E-21R36-1

Engine Size: 3.5cc (.21ci)

Engine Start Type: Pullstart

This engine is suitable for most (if not all) 1/8th scale RTR buggies. The engine is fitted with an SG crank shaft (which is the norm in this size of engine) which means most kit flywheel and clutch assemblies will be a direct fit.

Price: £84.99

Rank: 3

Engine Mount





# Engine Specs (Pull start)

Dynamite .21 RTR Engine W/PS

Part Number: DYNE0570

Carb Type: 2-Needle

Crankshaft Threads: 1/4x28

Crankshaft Type: SG

Cylinders: Single

Displacement: .21

Muffler Type: Rear Exhaust

Plug Type: Standard

Recommended Fuel: 20-30% Nitromethane

Starter Type: Pull-Start

Type: Glow

Price: £114.99

Rank: 6



Hobao Hyper 21 3-Port Pull Start Engine (Turbo)

Brand: Hobao

Part No: H2132T

Displacement: 3.5cc (0.21ci)

Starter: Pull Start

Price: £110.15

Rank: 5

Engine Mount





What is the difference here in the output shafts?  
Would different parts be needed?