

No. S 3212



RC functions:
Pitch-axis
Roll-axis
Tail rotor
Collective pitch
Motor speed

Specification:

Main rotor diameter:	approx.	1765	mm
Tail rotor diameter:	approx.	300	mm
Motor:	approx.	12 - 23	cc
Length:	approx.	1610	mm
Height:	approx.	465	mm
Weight:	approx.	5300	g

Nova Cuatro (Spanish: "four")

Endless performance, endless possibilities

Here at robbe we have succeeded in developing a premier product exploiting the highest levels of technical innovation. This is a model helicopter which will satisfy the requirements of the most demanding heli pilot.

Our development engineers have performed this coup by combining the findings and experience of

countless hours of practice flying in collaboration with a team of renowned top-level pilots.

We have christened the result Nova Cuatro. Ushering in a new generation of forward-looking helicopters, this machine is ideal for the FAI competition class, but is equally at home as a mount for the beginner, expert and virtuoso pilot, catering for all four (cuatro) categories.

Nova Cuatro: an innovative helicopter concept which also caters for four different applications for the radio controlled helicopter, namely FAI, 3D aerobatics, scale and industrial work.

The proportions of the Nova Cuatro satisfy the currently valid FAI competition rules with a rotor disc area of 250 dm² (1765 mm rotor diameter) with a maximum motor size of 15cc.

Nova Cuatro is a product manufactured to the highest possible quality, and will certainly set new standards for years to come.

Kit contents:

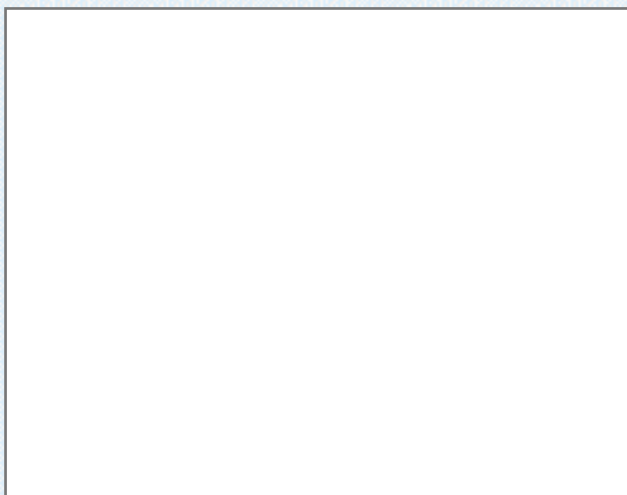
- All parts logically sorted by building stage, partially pre-assembled
- All small parts required to install radio control system
- Adjustable control linkages, ready-to-fit
- Large, powerful radial fan, 90 mm diameter
- Two-stage toothed belt gearbox, right-hand rotation, 1:8:65
- Ballraced tail rotor with scissor linkage, 1:5.49 reduction
- Motor mount for motors with 52 x 25 mm hole spacing
- Universal swashplate for two-blade and multi-blade rotor heads
- Rotor head with integral flybar control system and centre bearing for optimised damping
- Aerodynamically efficient flybar paddles (optional ballast weights) with 560 mm long flybar
- Uprated clutch for high-torque motors
- Spring steel pushrods with rolled threads
- Molybdenum-loaded ball-links for smooth control movements
- Plastic battery holder
- Twin ballraced tail rotor drive unit, tubular stainless steel drive shaft
- CFRP horizontal and vertical stabilisers
- White-pigmented GRP cabin with vacuum-moulded smoked-tint windows
- Multi-colour decal sheet
- Tools, thread-lock fluid and grease included to ensure problem-free assembly
- Comprehensive illustrated multi-lingual building instructions



Typical applications

Nova Cuatro for the FAI pilot

For aerobatic flying as laid down in the FAI rules an accurate and high-performance helicopter is required, and the new Nova Cuatro is the perfect choice for this type of flying. It ranks as one of the world's best model helicopters, and is the choice of preference for the advanced and competition pilot.



Recommended accessories:

	No.
Webra Speed 75 P5 motor	7343
Alternative: OS 91 SX-H	
Webra P5/OS 91 exhaust manifold	S 0956
Tuned pipe, 12-15 cc	S 0920
Teflon hose	S 0916
Spring clips	S 0917
GRP main rotor blades, 800 mm	S 2939
CFRP tail rotor blades, 115 mm	S 2926



Flybar support included in S 3212 set

Nova Cuatro for the scale enthusiast

To the scale pilot the new Nova Cuatro mechanical system is the ideal partner for a wide range of fuselage kits, and provides the perfect basis for scale and semi-scale model helicopters. The realistic appearance and convincing appearance of these models are a delight to any lover of scale models.



Recommended accessories:

	No.
Fuselage kits	
e.g. Schweizer 300 C Nova	S 2877
BK 117	S 2918
Jet Ranger III	S 2860
Bell UH 1-D	S 2861
Webra Speed 75 P5	7343
Alternatively: OS 91 SX-H	
Webra P5/OS 91 exhaust manifold	S 0956
Tuned pipe, 12-15 cc	S 0920
Teflon hose	S 0916
Spring clips	S 0917
GRP main rotor blades, 800 mm	S 2939
CFRP tail rotor blades, 130 mm	S 1053
Aluminium tuned pipe holder, 24 mm Ø	S 0958

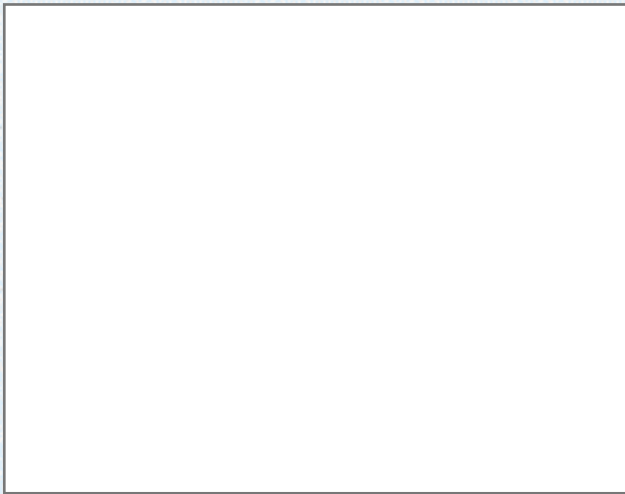
Alternative power plant: ZG-23

	No.
ZG-23 petrol engine	
ZG-23 conversion set	S 2880
ZG-23 exhaust manifold	S 0928
ZG-23 tuned pipe	S 0902

Nova Cuatro

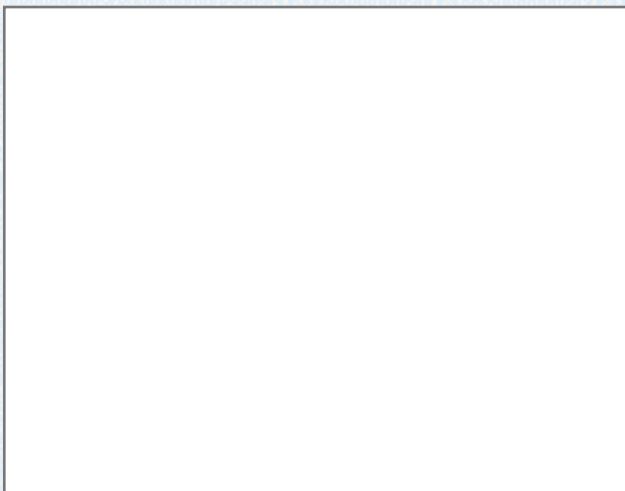
Nova Cuatro for the 3-D pilot

3-D flying is another name for extreme aerobatics, and this requires a helicopter which is set up to handle well at high speed. These requirements are met in full by the Nova Cuatro kit model. Many renowned pilots prefer this mechanical system because of the tremendous agility and manoeuvrability it bestows on the model.



Nova Cuatro for surveying and photographic work

Commercial applications for radio-controlled model helicopters are fast becoming a very popular solution for professional projects, since models produce good results quickly and at very low cost compared to full-size helicopters. The Nova Cuatro represents the ideal platform for these applications, as it can carry a maximum payload of around **3.5 - 4 kg**. Mounting brackets and other mechanisms have to be tailor-made for each application.



Recommended accessories:

	No.
Webra Speed 75 P5 motor	7343
Alternative: OS 91 SX-H	
Webra P5/OS 91 exhaust manifold	S 0956
Tuned pipe, 12-15 cc	S 0920
Teflon hose	S 0916
Spring clips	S 0917
GRP main rotor blades, 800 mm	S 2818
CFRP tail rotor blades, 115 mm	S 2926



Tail rotor scissor linkage included in S 3212 set

Recommended accessories:

	No.
ZG-23 petrol engine	
ZG-23 conversion set	S 2880
ZG-23 exhaust manifold	S 0928
ZG-23 tuned pipe	S 0902
Teflon hose	S 0916
Spring clips	S 0917
GRP main rotor blades, 800 mm	S 2939
CFRP tail rotor blades, 130 mm	S 1053



Large fan (90 mm diameter) included in S 3212 set