

# 518



***birelart***

2025 MODELS

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[www.birelart.com](http://www.birelart.com)

- ▶ KZ LINE
- ▶ OK LINE
- ▶ MINI LINE
- ▶ ROTAX LINE

**HISTORY, PASSION & RACING SENSATION**

# S18

## 2025 MODELS



### #RACEWITHUS

• KZ RANGE • OK RANGE • MINI RANGE

• BRAKE BALANCE



• ACCELERATOR STOP



• REAR HUB



• SPINDLE



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RONNI SALA **PRESIDENT**



## THE INITIAL THAT CHARACTERIZES THE NEW MODELS FOR 2025 WILL BE S18.



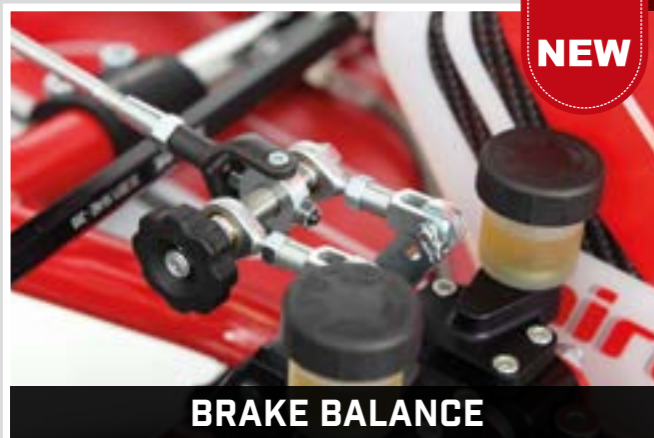
THE ACRONYM THAT CHARACTERIZES  
THE NEW MODELS FOR 2025 WILL BE S18.

Based on the S16 models we have further  
implemented and refined different technical details  
and we introduced new accessories to improve and  
simplify the use.

We present to you the new developments made during the 2024 season, which we will introduce in the Birelart and Freeline karts and accessories for the 2025 season. **The code that will distinguish the new models for 2025 will be S18.** Based on the S16 models, like every year we worked during the racing season to further develop and implement the performances of our karts, modifying geometries, the materials and some accessories, introducing new details to always have a better product both on quality level and on performance, confirmed once again by the numerous successes that we had during the season.

All Birelart karts will keep the same homologation number for the new period 2025-2027 as made an homologation extension. We will introduce new pods Free Line model "AERO" and "AERO Mini" newly homologation.

## NEW PARTS:



NEW

### BRAKE BALANCE

Developed during the 2024 season the new brake adjusts facilitates the adjustment of the distribution and improves its functioning.



NEW

### NEW GRAPHIC STICKERS:

Like every year we revised the graphic to give a more aggressive, modern and recognizable look that distinguishes the Birelart brand. The new logo retains the distinctive elements of the brand while updating them for greater modernity and visual impact.

GRAPHIC STICKERS



NEW

ACCELERATOR STOP

### ACCELERATOR STOP

A component used mainly in two-stroke engines, to limit or prevent the engine from accelerating under certain conditions. Its primary function is to block or restrict the movement of the accelerator pedal when the kart should not accelerate fully. It is used to control and limit acceleration in specific situations, enhancing both safety and engine management.



NEW

REAR HUB

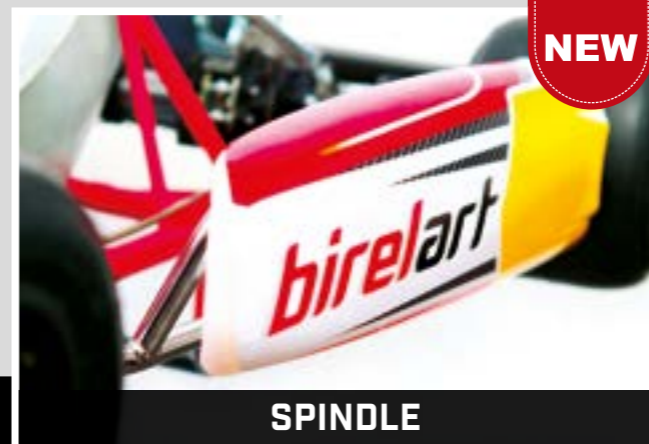
SPINDLE

### REAR HUB

The new Freeline hubs HQ have the double fixing screw with a better axle grips in order to maintain a perfect assilaity and avoid the movement.

### SPINDLE

The new spindles have a lever geometry slightly different to a better entry corner. It's also allows a better regulation on high of the frame. It will be the same for both categories with the addition to an aluminum caliper support on the KZ.



NEW

SPINDLE

### AERO PODS

To reduce cantilever weights, improve the aerodynamic efficiency and a new look, were studies and developed the new Freeline side pods mod. AERO, homologation 007-BS-20.

DISCOVER ALL THE DETAILS ON:

***www.birelart.com***

**KZ LINE**

As every year, the **GRAPHICS** have been **renewed** to give a more aggressive and modern look, this year featuring the new logo as well.

**RY30-S18 - SH**

*Homologation N° 007/CH/10*

- Geometry of the frame unchanged
- New spindles with new caliper support system and new steering geometry
- King pin d.10
- New brake balance
- New rear hubs with double fixing L.100
- New side pods Free Line "AERO" (Homologation CIK 007-BS-20)
- New front pods and panel KG 509

\* FRAME AVAILABLE IN STANDARD VERSION AND "PA"

**RY32-S18 - SH**

*Homologation N° 007/CH/12*

**RY30-S18 - SH**  
**RY32-S18 - SH**


**MINI LINE****C28-S18****Homologation – Homologation CIK-FIA 007-CH-92**

- Geometry of the frame unchanged
- Upgraded in the materials
- New brake system RR as standards (Homologation CIK 007-BRKR-10)
- New side pods Free Line "AERO Mini" (Homologation CIK 007-BS-20)
- New front pods KG MK20 and panel KG MK27
- New graphic

**BABY LINE****B25 Baby Racing Kart**

With the Birelart B 25 Baby Racing Kart, a six-year old can already join the track to get used to straights and driving techniques. The chassis is made with 25 mm tubes, adopts aluminium hubs, HQ disk carriers and crown carriers. The B 25 BABY model includes the 2t 50 cc motor while the brake system is mechanical with 200 mm disks.



**L28-CY**  
**AR28-Y**  
**AM29-Y**

**01****L28-CY**

A model for junior categories with the best quality-price ratio. A conventional, well tested model with 28 mm rails, characterised by a rounded design of the bodywork's frontal section, near the tank. The bodywork is last-generation (Fik 05).

**02****AR28-Y**

The AR28 has been revised and will have as main characteristic the adjustment of the rear in three different positions. It will have, as series, the new 'C' of spindles for housing the eccentric bushing for a better adjustment of camber & caster as in the 'Racing' models.

**03****AM29-Y**

Frame with mixed tubes of  $\varnothing$  28mm and 30mm, the main characteristic of the AM29-Y is the possibility of the wheel base adjustment in the position 1020 – 1030 – 1040mm. This allows an important versatility of this kart to its better adaptability to different categories, especially to the ones with very low power and medium - hard tires.

## ROTAX LINE



As every year, the **GRAPHICS** have been **renewed** to give a more aggressive and modern look, this year featuring the new logo as well.

### RY30 RX-S18 - DD2

*Homologation 007/CH/10*

- New geometry of the frame RY32RX-S16 - DD2.
- New support axle bearing in forged aluminum.
- New front brake system RR-EVO.

### RY32 RX-S18 - DD2

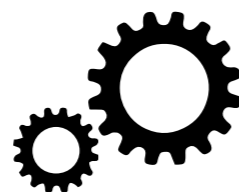
*Homologation 007/CH/12*



## RY30 RX-S18 - DD2 RY32 RX-S18 - DD2



# TECHNICAL CHART



	RY30-S18-DD	RY32-S18-DD	RY30-S18-SH	RY32-S18-S	C28-S18
FRONT STABILIZER	STANDARD	STANDARD	STANDARD	STANDARD	OPTIONAL
REAR STABILIZER	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Ø TUBES	30	32	30	32	28X2
WHEEL BASE	1045	1045	1045	1045	950
REAR WIDTH	635	635	645	645	595
FRONT WIDTH	715	730	730	730	640
LENGTH	1510	1510	1510	1510	1305
AXLE	50X2X1020 F	50X2X1040 F	50X2X1040 F	50X2X1040 F	30X5X960 F
Ø SPINDLE	25 EVO	25 EVO	25 EVO	25 EVO	17 - L 150
REAR BRAKE	HYDRAULIC 1FL I 32X2	HYDRAULIC 1FL I 32X2	HYDRAULIC RR 25	HYDRAULIC RR 25	HYDRAULIC 1RR
REAR BRAKE DISC	180X16 G	180X16 G	180X16 G	180X16 G	150X12 G
FRONT BRAKE	//	//	HYDRAULIC RR I 25 EVO	HYDRAULIC RR I 25 EVO	//
FRONT BRAKE DISC	//	//	150X12 G	150X12 G	//
TANK CAPACITY	10 LIT CA	10 LIT CA	10 LIT CA	10 LIT CA	4 LIT CA
STEERING WHEEL	Ø 340	Ø 340	Ø 340	Ø 340	Ø 320
DISK CARRIER	50 ALL. HQ EVO	50 ALL. HQ EVO	50 ALL. HQ EVO	50 ALL. HQ EVO	30 ALL. HQ
CROWN CARRIER	50 ALL. HQ EVO	50 ALL. HQ EVO	//	//	30 ALL. HQ
FRONT HUBS	85 ALL. Ø 85 MG.	85 ALL. Ø 85 MG.	85 ALL. Ø 85 MG.	85 ALL. Ø 85 MG.	OPTIONAL
REAR HUBS	50X90 EVO	50X90 EVO	50X100 ALL. HQ EVO	50X100 ALL. HQ EVO	30X50 ALL. HQ
WHEELS	DF130 + DF210 M	DF130 + DF210 M	DF130 + DF210 MG	DF130 + DF210 MG	CR 115+DR 150 A/MG
FRONT PODS	KG 509	KG 509	KG 509	KG 509	KG MK20
FRONT PANEL	KG 509	KG 509	KG 509	KG 509	KG MK27
SIDE PODS	FREELINE AERO	FREELINE AERO	FREELINE AERO	FREELINE AERO	FREELINE MINI AERO
REAR PODS	KG C3	KG C3	KG C3	KG C3	HULK

## DISCOVER ALL THE MODELS

B25 BABY RACING	L28-CY	AR28-Y	AM29-Y	RY30/32 RX-S18-DD2
//	//	STANDARD	STANDARD	STANDARD
//	//	OPTIONAL	OPTIONAL	//
25	28	28	28/30	30/32
780	900	1010	1020/1030/1040	1045
525	608	580	600	635
550	600	640	710	715
1240	1270	1465	1510	1510
25X880 B	25X960C	40X3X1000 F	40X3X1000 F	40X2X1040 F
17	//	17 L 150	17 L 150	25
MECHANICAL	HYDRAULIC 1R	HYDRAULIC 1B	HYDRAULIC 1B	HYDRAULIC 3RR
166X5 INOX	166X5 INOX	W 66X180X8 A	W 66X180X8 A	180X16 G
REAR	REAR	REAR	REAR	REAR+FRONT
//	//	//	//	150X12 G
//	4 LIT CA	8,5 LIT CA	8,5 LIT CA	10 LIT CA
Ø 300	Ø 320 BIREL ART	Ø 320	Ø 320	Ø 340
25 HQ	25 HQ	40 HQ	40 HQ	40 ALL. HQ
//	//	//	//	//
//	//	//	70 HQ	85 ALL. OR 85 MG.
25X50 ALL. HQ	25X50 A	40X100 ALL. HQ	40X100 ALL. HQ	40X90 ALL. OR MG.
CR 115+DR150 A	ALL. CR115+DR150	MAG. CR130+DR210	CR130+DR210	DF130+DF210 M
B 25	KG MK14	KG 507	KG 509	KG 509
B 25	KG MK20	KG 508	KG 509	KG 509
B 25	FL MINI	FL EVO	AERO	AERO
FL 09/14 MINI	FL MINI	KG C3	KG C3	KG C3





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