

A close-up, low-angle shot of a silver car's front end as it moves through a car wash. Large, dense red brushes are visible on the left and right sides, framing the car. The car's surface is wet and glistening with water. The front grille, headlights, and a portion of the license plate are visible. A red square is overlaid on the upper part of the image, containing the word 'ROLLOVERS' in white capital letters.

ROLLOVERS



**WASH EFFICIENCY:**

polyethylene or foam brushes to give a gentle yet effective wash which respects the paintwork.

**DRYING QUALITY:**

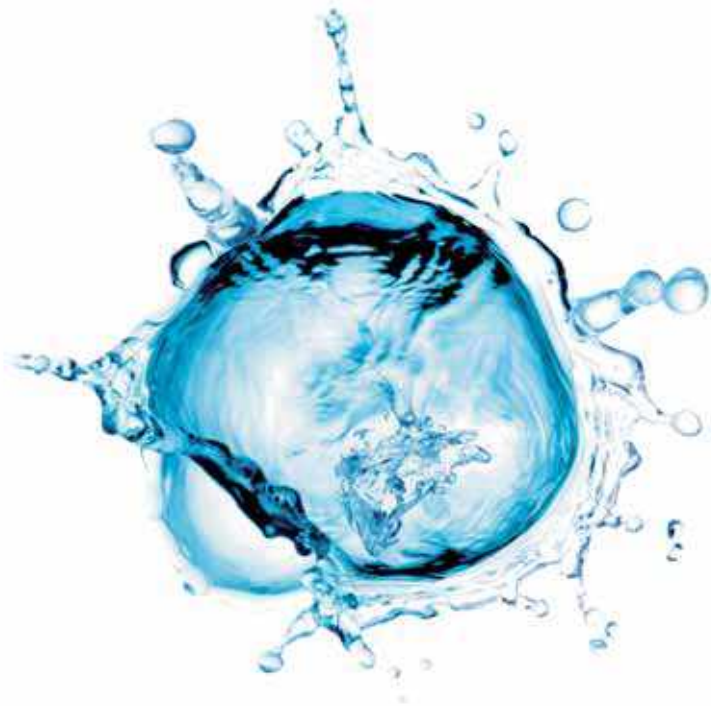
a powerful but low noise system guaranteeing top quality results.

**MAXIMUM SAVINGS:**

dosers to ensure the right amount of care product is added.

**A MULTITUDE OF CUSTOMISING  
OPTIONS:**

the possibility to choose specific components and functions to give a plus in drying, performance or way of working.



## Wash technology constantly evolving

At Istobal we work to make perfect machines able to adapt to new vehicle designs and dimensions. We strive constantly to excel and this is what keeps us ahead of the field in wash quality, innovation and new technologies.

Let us show you in detail all the possibilities that the Basic Range and Plus Range offer. If an efficient wash is what you require, choose a machine with the Istobal seal of quality.



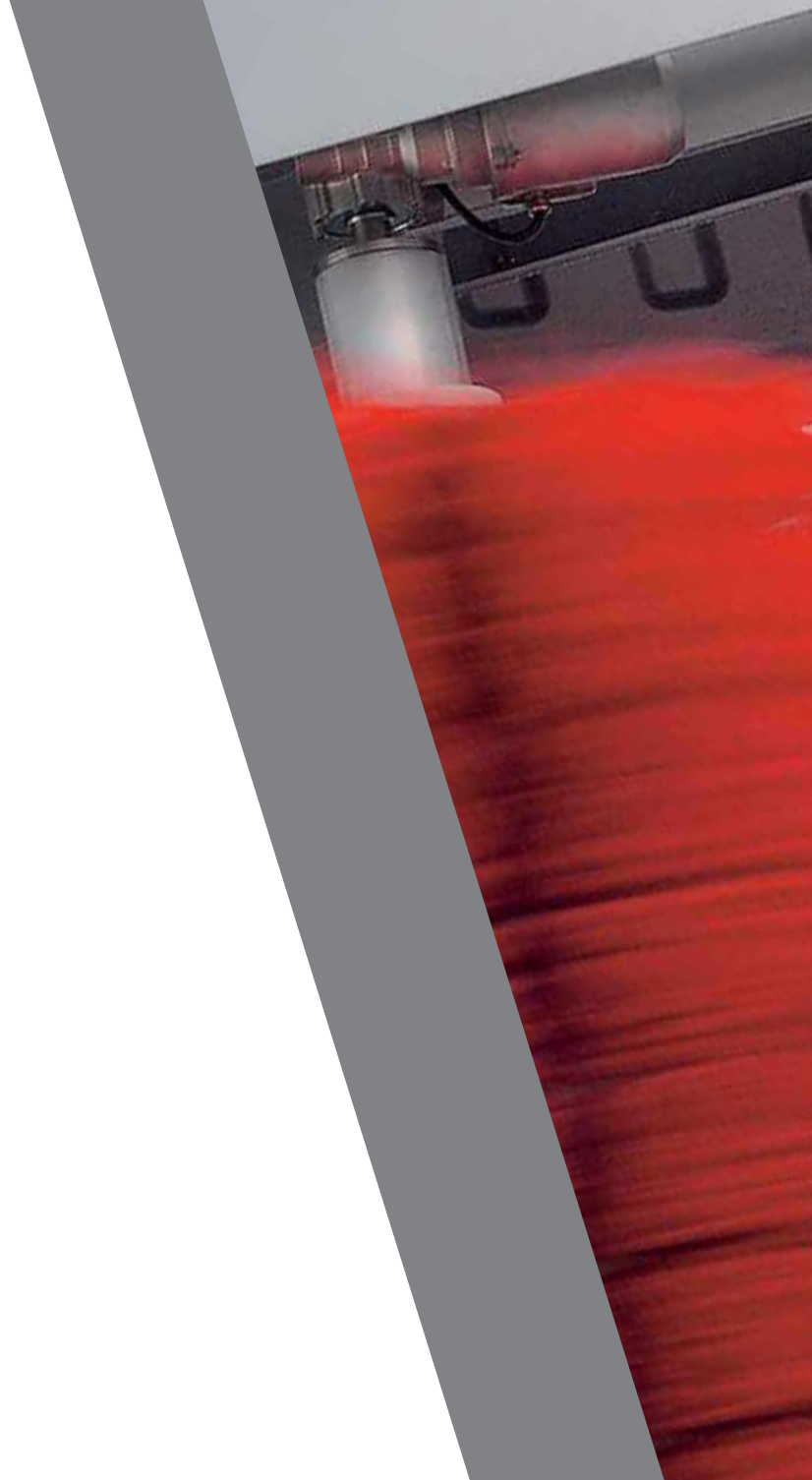
# Productivity and a perfect finish at a competitive price

M4.1

The essentials for an automatic wash.

M7.1

Technology and quality at a competitive price



A close-up, low-angle shot of a silver car's roof and windshield area as it moves through a car wash. Large, rotating red brushes are visible on either side, creating a sense of motion and cleaning. The car's surface is wet and reflects light. In the upper right corner, there is a red square containing the text 'BASIC RANGE' in white, bold, sans-serif capital letters.

**BASIC  
RANGE**

**UP TO 15  
WASH  
PROGRAMS**

# Fully equipped and completely

**Front fairing:** Required option, basic, super front fairing complete or super for sides only.

**Drying:** Accepts 1D, 2D & 3D drying.

**Programs:** Up to 15 normal programs, and at peak times the same programs can be speeded up.

**Wash system:** Optional tilting brushes.

**Fairing:** Basic, super sides and super complete.

**Under chassis wash:** Various options.

**Optional extras:** Allows a wide range of options.



RANGE	Vehicle access in meters			Recommended bay			rollover travel m/minute	Dryer Power in kW.	Cars/hour	Model
	Height	Width	Length	Height	Width	Length				
M12+	2.1	2.35	5.20	2.9	4.6	9.5	5-16	15.2	8-16	4PE5200 <input type="checkbox"/> <input type="checkbox"/>
M12+	2.3	2.35	5.20	3.1	4.6	9.5	5-16	15.2	8-16	4PE5300 <input type="checkbox"/> <input type="checkbox"/>
M12+	2.5	2.35	5.20	3.3	4.6	9.5	5-16	15.2	8-16	4PE5400 <input type="checkbox"/> <input type="checkbox"/>
M12+	2.7	2.35	6.20	3.5	4.6	10.5	5-16	15.2	8-16	4PE5500 <input type="checkbox"/> <input type="checkbox"/>

Colour   
Language

## modular

**Rear fairing:** Required option,  
basic or super.



A rollover with great possibilities thanks to the modular design philosophy. The M12+ has an advanced control system, giving it maximum capacity.

It allows a long list of optional extras to be added and as with the M9+, it can offer up to 15 normal programs. On days of peak demand, the same programs can be speeded up.

If you choose the M12+, you will own a complete and fully reliable machine which adapts to all your needs.





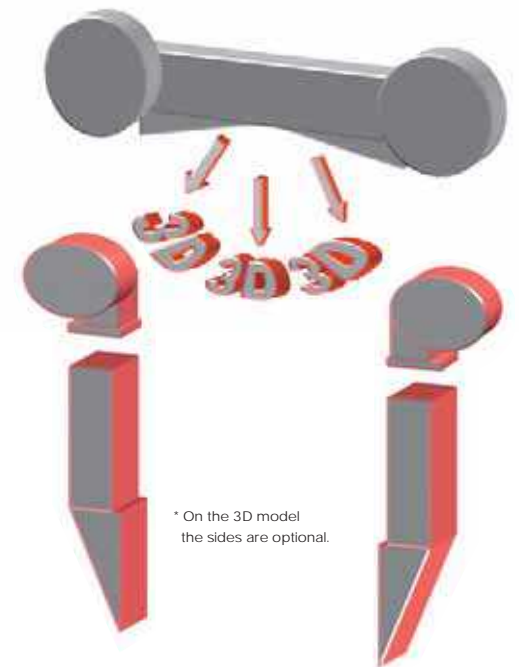
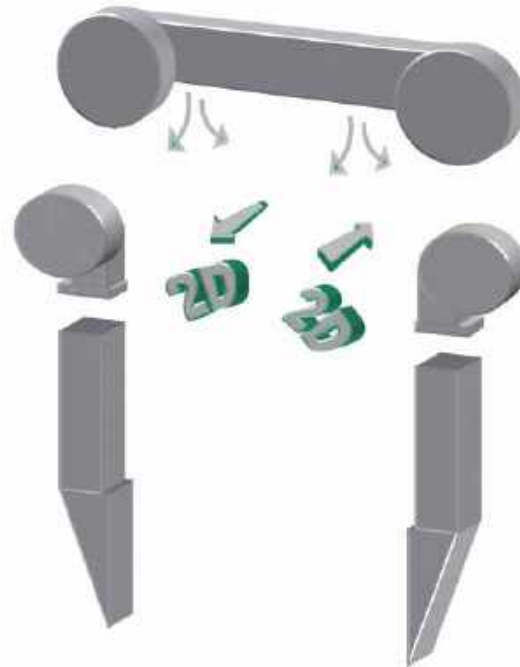
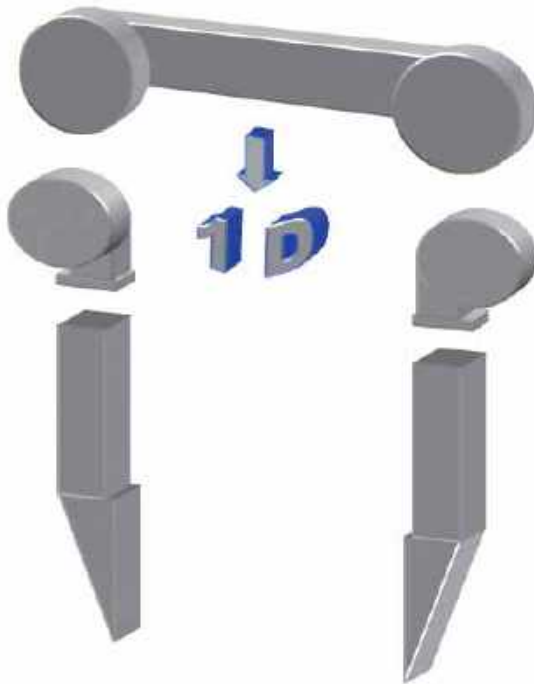
## A customised image, **for an exclusive service**

At Istobal we offer a wide range of possibilities for customising your rollover.

Drying, fairings, polyethylene or foam brushes, wheel washes, under chassis wash. A whole array of quality accessories to offer the best of services with the features you desire. A versatility which allows you to have a made-to-measure rollover.

For more information, consult our specialised sales team for information about the customising possibilities of Istobal's Basic Range and Plus Range rollovers.





## DRYING

The three Istobal drying systems are designed to achieve a perfect finish.

We have three models of overhead fans with an airflow which can be blow in different directions. Choose your rollover and the dryer option that best suits your needs.

- 1D is a nozzle with one air outlet and a special design to prevent dripping. It is available in two motor powers: 2 x 2.5kW and 2 x 3.8kW for M9+ and 4 x 3.8kW for the rest of the ranges. This system includes two side dryer nozzles.
- 2D is an horizontal nozzle which optimises the dry, since it is equipped with a diffuser. When this nozzle reaches the back of the vehicle, it directs a concentrated airflow onto it. Side drying is included.
- 3D is a nozzle designed to circulate air over the top and sides of the vehicle. With 2 x 4kW of power at 1,500 rpm. Side drying is optionally available.
- NO DRY, if you are looking for top performance at a competitive price, rollovers M4.1, M7.1 and M9+ can be installed without the drying, which makes for considerable savings of time and costs, giving a throughput of 18 cars/hour.



### CONNECTIONS

Two types of service connections are available, guaranteeing that the system works perfectly. Choose either catenaries, or an energy chain if you prefer a more aesthetic look, or there is a high pressure pre-wash on the machine.



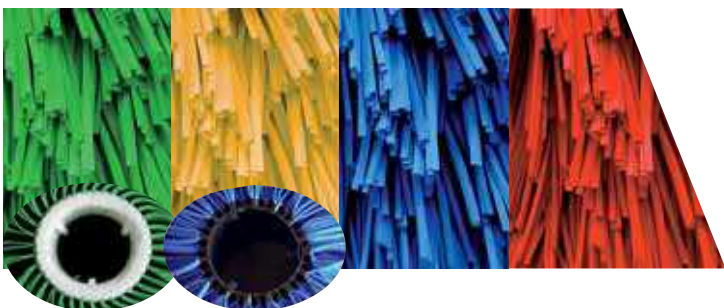
### BASIC FRONT AND REAR FAIRING

The basic fairing is designed with straight lines so as to adapt to all spaces, and comes in assorted colours.



### SUPER FRONT AND REAR FAIRING

Istobal's super fairing offers a more modern design thanks to its rounded contours. It can also be colour customised.



### BRUSHES

Two types of brush giving a perfect finish. There are polyethylene or foam brushes, guaranteeing the necessary friction for an effective clean.

### TILTING VERTICAL BRUSHES

This optional extra enables the brushes to adapt better to the contours of the vehicle. The pneumatic system installed means they can tilt or stay upright, working on the top part of the body or the rocker panel. It can be installed on all the models. On M18+, included as standard.



## FROST PREVENTION

We offer an automatic device to empty the water pipes and stop them freezing. It comprises a thermometer, a thermostat with double contact, a solenoid valve assembly and delivery ducts with non-return valves.



## WAXING

The different waxing options will allow you to choose between high shine wax or an external doser, both for Basic and Super Fairing. You can also choose between hot wax, foamy wax and super wax.



## FOAMS

Depending on the rollover you have chosen, you can have basic foam, super active foam, three colour + white super active foam. Each foam option allows you to choose from among several programs, and so offer a wide range of services and prices.



## UNDERCHASSIS WASH

This system guarantees a totally clean underchassis using just the right flow rate and pressure. You can opt for a model with a 10 BAR fixed segment or oscillating at 15 BARS. We also offer a model with three fixed sectors + long vehicles at 15 BARS



## WHEEL WASH

The most effective solution for reaching the most difficult areas.

Wheel wash options available:

- disk
- disk + high pressure
- double telescopic disk
- double telescopic disk + high pressure
- high pressure 160 BAR 19 l/min.
- high pressure 80 BAR 42 l/min.
- high pressure 80 BAR 82 l/min.



# CUSTOMISING



## COMPUTER CONNECTIONS

You can choose the mode of communication you prefer since there are various connection options: connection to computer by cable (100m), modem or GSM. These options are applicable to all rollovers from M9+ up.

## POSITIONING SYSTEMS AND LIGHTS

At Istobal we ensure that the vehicle is perfectly positioned using various options: A mechanical system using a platform or the use of lights or LEDs to position the vehicle correctly to be able to start the wash. These mechanisms are essential especially for self-service, making the wash experience more comfortable and satisfying for the customer.



## PREWASH

To make the wash process easier from the start, we offer an optional extra which soaks the vehicle and removes the dust. Medium and high pressure pre washes can reach any part of the vehicle.

Prewash **15 BAR 120 l/min.**

Prewash **80 BAR 42 l/min.**

Prewash **80 BAR 84 l/min.**

All of them have the option of working the sides, top or both, and can be combined with the rocker panel

Pre-wash **160 BAR 19 l/min.**



## CHEMICAL SPRAYS

At Istobal we know the importance of breaking down ground-on dirt as well as exercising special care with certain zones, such as the front-end, which always gets covered with squashed insects. For this reason, we offer different pre-wash systems:

Hot or cold chemical spray, or an external supply.

Chemical spray specifically for mosquitoes or mosquito compatible.

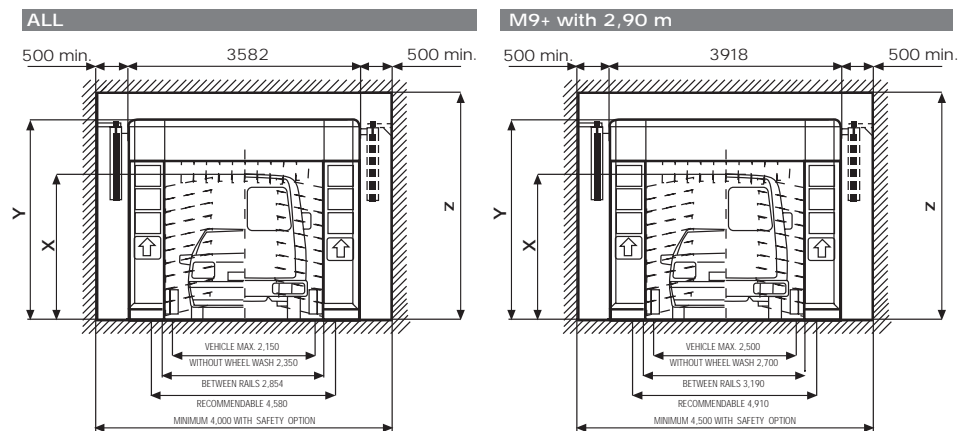
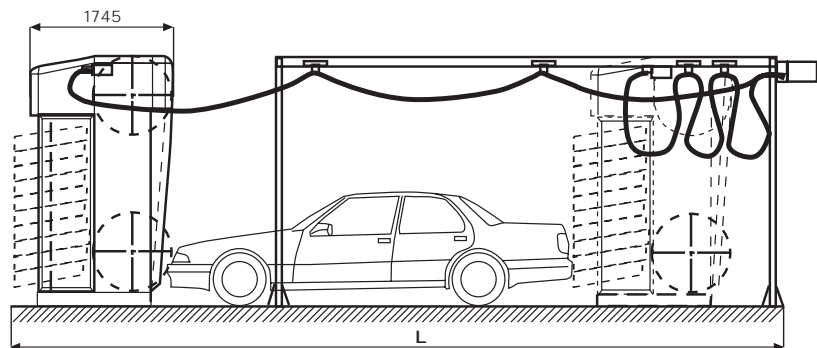
Only applies to M9+ and above rollovers.



## COLOURS AND BRUSHES

For Istobal's equipment to have the personality you desire, we offer a comprehensive range of colours for your brushes and fairings. Choose yours from among the 23 colours available for machines and fairings, the 19 polyethylene brush combinations or 12 foam brushes.

# DRAWINGS AND DIMENSIONS



Vehicle access height X	rollover height Y	Height of wash site		Width of wash site		Bay length ** (1 and 2)		
		Recom.	Z Min.	Recom.	Min.*	M4.1, M7.1, M9+, M12+, M18+	M15+	M17+
2.10 m	2.88 m	3.33 m	2.93 m	4.58 m	4 m	9.50 m		
2.30 m	3.08 m	3.53 m	3.13 m			9.50 m	11.50 m	17.50 m
2.50 m	3.28 m	3.73 m	3.33 m			9.50 m	11.50 m	
2.70 m	3.48 m	3.93 m	3.53 m			10.50 m (3)	12.50 m	18.50 m
2.90 m	3.68 m	4.13 m	3.73 m	4.91 m	4.50 m	11.50 m (4)		

1 Vehicles up to 5.25 m. long.  
 2 Vehicles up to 4.75 m. long, bay 0.5m shorter.  
 3 Allows vehicles 6.20 m. long.  
 4 Allows vehicles 7.20 m. long.

\* Requires optional anti-smashing safety system for open spaces at the side, using rubber switches or cables.

\*\* Rear wash only horizontal brush, requires 0.97 m. less bay length.

**Note:** Istobal S.A. reserve the right to introduce such modifications as they deem necessary to improve their products.





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