

WE WELCOME YOU TO VISIT OUR FACILITY AT ANY CONVENIENT TIME

Technical-Commercial Quotation

We offer for your consideration this quotation on Window drip cap line with changeable shelf width.

All equipment is designed and manufactured by Ruscana Engineering Group.

Window drip cap line with changeable shelf width

Designation:

Window drip cap line with changeable shelf width, hereinafter referred to as Equipment, is intended for manufacturing Window drip cap. See profile drawing in fig.1.

Raw material requirements:

zinc coating to range 100...275 g/m²

yield strength 280...320 N/mm²

strip width – according to profile flat pattern (See fig.1) ;

strip thickness – 0,4 mm...0,6 mm.

Line operating mode – manual / automatic

Roll forming speed, no more than – up to 20 m/min.

Installed power capacity , no more than– 9 kW.

Supply voltage at frequency of 60 Hz, 230V 3 phase

Weight no more than – 3900 kg.

Dimensions (LxWxH), no more than – 13500x2250x1450 mm.

Required operating personnel - 1-2 persons (depending on operating mode)

Equipment configuration:

1. Decoiler
2. Roll forming section
 - 2.1 Straightening module
 - 2.2 Protective film application module
3. Hydraulic system
4. Guillotine (hydraulic)
5. Roller base receiving table
6. Automatic control system (ACS)

Technical specification:

1. Decoiler		
1.1	Type	Cantilevered
1.2	Feeding speed, no more than	20 m/min, automatically controlled
1.3	Operating mode	Automatic, manual, reverse
1.4	Installed power capacity, no more than	2,2 kW
1.5	Lifting capacity, no more than	3000 kg.
1.6	Dimensions (LxWxH), no more than	1600x1750x1450 mm
1.7	Mandrel expansion range	480 mm...620 mm (Coil ID 500 mm/600 mm)
1.8	Mandrel expansion/clamping mechanism	mechanical (by handle)
1.9	Weight, no more than	600 kg
2. Roll forming section (with protective film application module)		
2.1	Dimensions (LxWxH), no more than	6200x700x1100 mm
2.2	Installed power capacity, no more than	3 kW
2.3	Roll forming speed, no more	15-20 m/min.
2.4	Weight no more than	2800 kg
Straightening module		
2.5	Quantity of straightening shafts	5
Roll forming		
2.6	Quantity of mill stands	14
2.7	Material of rollers	Instrument steel (with heat treatment)
The main process of reconfiguring the sizes is carried out as follows: - positional movement of one of the profiling blocks to the lock (by rotating the handle)		
3. Hydraulic system		
3.1	Hydraulic drive	Of the guillotine
3.2	Installed power capacity, no more than	3 kW
3.3	Tank volume, no more than	50 l
3.4	Working pressure in system, no more than	10 MPa
4. Guillotine		
4.1	Drive type	hydraulic
4.2	Dimensions (LxWxH), no more than	180x850x650 mm (integrated into roll forming frame)
4.3	Weight, no more than	250 kg
4.4	Raw material thickness	0,4 mm...0,6 mm
4.5	Cutting time	2 sec.
5. Roller base receiving table		
5.1	Dimensions (LxWxH), no more than	4000x800x1000 mm
5.2	Quantity of products	1
5.3	Automatic stacker	no
5.4	Weight, no more than	100 kg
6. Automatic control system (ACS)		

6.1	Hardware base	Omron (Japan)
6.2	Controlled parameters:	<ul style="list-style-type: none"> - Roll forming speed; - Quantity/length of end product; - Adjustment of the pauses of the technological cycle; - Production task - forward - back – stop
6.3	Interface	English, User-friendly
6.4	Indicators	General settings, error and emergency alarms

Window drip cap
(with changeable shelf width)

L, mm	t, mm
70, 90, 110, 130, 150, 165, 180, 200, 220, 250, 280, 300, 320, 360	0,4 – 0,6

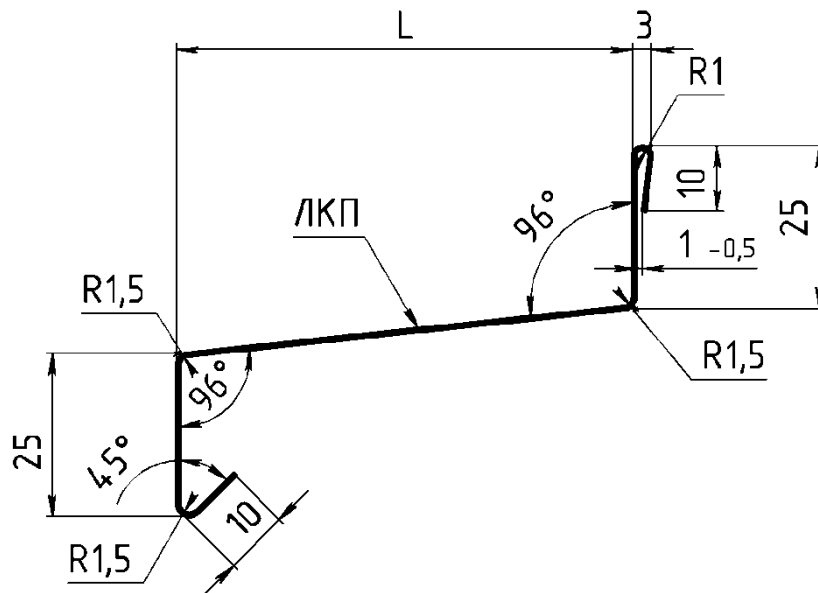


Fig.1



Imported components details

Components kit	Manufacturer
<ul style="list-style-type: none"> - hydraulic pumps; - control units (distributors, consumption regulators, pressure control valves); - proportional technology; - safety valves; - sealing elements; 	Hydro components (Italy)
<ul style="list-style-type: none"> - Cylinders; - distributors; - service units (filters, moisture separators, lubricators, pressure regulators); - pneumatic hoses and connectors 	Pneumatic components (Italy)
<ul style="list-style-type: none"> - controllers; - frequency converters; -length encoders; - inductive proximity sensors - control panels - relay 	Industrial automation components "OMRON" (Japan)
<ul style="list-style-type: none"> - Shaft bearing units 	"ASKUBAL", (Germany)

Equipment specification

Nº	Description	Q-ty	UOM
1	Window drip cap line, consisting of:	1	Set
1.1	Decoiler	1	pcs.
1.2	Roll forming section	1	pcs .
1.3	Guillotine	1	pcs .
1.4	Hydraulic system (hydro station, hydro units)	1	pcs .
1.5	Roller base receiving table (4 pcs)	4	pcs .
1.6	Automatic control system (ACS)	1	pcs .
2	Supervised installation and commissioning	1	ea.

Options:

1	For decoiler
1.1	Hydraulic mandrel expansion unit

