

# "THIN" cut-off wheels

Our specialists have developed the new series of wheels for professionals – "thin" cut-off wheels.

The goods of our plant can guarantee the highest quality and safety.

"Thin" cut-off wheels meet all these requirements and are ideal for those who know the value of time and quality in the work.





«THIN» cut-off wheels are produced according to new technology which provides uniform distribution of mass and reinforcing material in a wheel. It allows to have low disbalance, increased elasticity and flexibility of wheels during the cutting of various profiled materials.

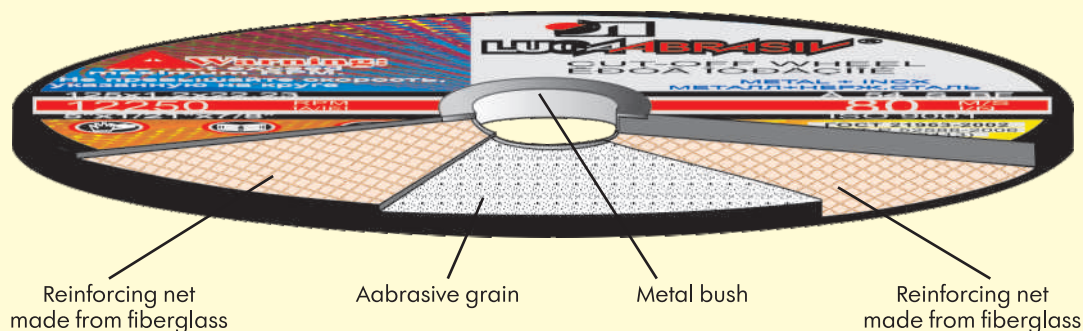
Special abrasive grain of higher quality and endoergic fillers provide self-sharpening and self-refrigeration effects that allows to renew cutting surface and to avoid welding to the wheels surface metal and alloy particles that are heat-sensitive.

Durability of these wheels is at the same level as of the standard thicker wheels and in some cases even exceeds it.

Wheels are produced with the use of newest modern materials that allow to provide moisture resistance.



## CONSTRUCTION OF WHEEL



Highly productive thin cut-off wheels

**«LUGA ABRASIV Premium»**  
cut-off wheels with high  
firmness characteristics



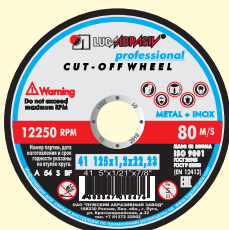
**"Thin" cut-off wheels**  
are used for cutting of

- - tubes and profiles of any diameter;
- - metal cores and wires;
- - sheet metal;
- - bodies of cars and so on.



Highly productive thin cut-off wheels

**We produce 4 types of "thin" cut-off wheels which are used for cutting of various material grades.**



## Universal wheels

### **"METAL + INOX"**

Special composition of the wheels that don't contain ferrum, sulfur and chlorine allows to escape "burning" of the cutted material and its contaminant during the treatment process.

Wheels used for cutting of:  
**all grades of steel of wide array including inox steels.**

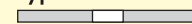
The wheels are presented in three series:

**"Extra"** and **"Professional"** are produced of standard quality with the good ratio «price/quality».

**"Premium"** have the higher firmness. It achieves with the use of new technologies and materials from the leading European producers.

type	wheel size	characteristic	RPM	pcs. in a box
41	115x0,8x22,23	A60 S BF	13300	400
41; 42	115x1,1,2x22,23	A54 S BF	13300	400
41; 42	115x1, 4/1,6x22,23	A40 S BF	13300	400
41	125x0,8x22,23	A60 S BF	12250	400
41; 42	125x1,1,2x22,23	A54 S BF	12250	400
41; 42	125x1, 4/1,6x22,23	A40 S BF	12250	400
41	150x1x22,23	A54 S BF	10200	200
41; 42	150x1,2x22,23	A54 S BF	10200	200
41; 42	150x1, 4/1,6/1,8x22,23	A40 S BF	10200	200
41; 42	180x1, 4x22,23	A40 S BF	8500	200
41; 42	180x1,6/1,8x22,23	A40 S BF	8500	150
41; 42	230x1,6/1,8x22,23	A40 S BF	6650	100

Type 41



Type 42



#### USED EQUIPMENT

Hand grinders  
 including electric  
 power grinders



**80m/s**

Highly productive thin cut-off wheels



## Specialized wheels


### "INOX"

Special composition of the wheels that allows to escape «burning» of the cutted material and its contaminant during the treatment process.

Wheels used for economic and unburning cutting of the details and constructions from stainless steels:

**rust resisting, acid proof and heat-proof (inox) steels.**



type	wheel size	characteristic	RPM	pcs. in a box 
41	100-105x1/1,2x16/22,23	WA54 S BF	15300	400
41	100-105x1, 4/1,6x16/22,23	WA40 S BF	15300	400
41	115x0,8x22,23	WA60 S BF	13300	400
41; 42	115x1/1,2x22,23	WA54 S BF	13300	400
41; 42	115x1, 4/1,6x22,23	WA40 S BF	13300	400
41	125x0,8x22,23	WA60 S BF	12250	400
41; 42	125x1/1,2x22,23	WA54 S BF	12250	400
41; 42	125x1, 4/1,6x16/22,23	WA40 S BF	12250	400
41	150x1x22,23	WA54 S BF	10200	200
41; 42	150x1,2x22,23	WA54 S BF	10200	200
41; 42	150x1, 4/1,6/1,8x22,23	WA40 S BF	10200	200
41; 42	180x1, 4x22,23	WA40 S BF	8500	200
41; 42	180x1,6/1,8x22,23	WA40 S BF	8500	150
41; 42	230x1,6/1,8x22,23	WA40 S BF	6650	100
41; 42	230x2x22,23	WA36 S BF	6650	50

Type 41



Type 42



#### USED EQUIPMENT

Hand grinders  
including electric  
power grinders




**80m/s**



### "STEEL"

Wheels used for cutting of  
**constructional and instrument steels.**

type	wheel size	characteristic	RPM	pcs. in a box 
41	115x0,8x22,23	A60 S BF	13300	400
41; 42	115x1/1,2x22,23	A54 S BF	13300	400
41; 42	115x1, 4/1,6x22,23	A40 S BF	13300	400
41	125x0,8x22,23	A60 S BF	12250	400
41; 42	125x1/1,2x22,23	A54 S BF	12250	400
41; 42	125x1, 4/1,6x22,23	A40 S BF	12250	400
41	150x1x22,23	A54 S BF	10200	200
41; 42	150x1,2x22,23	A54 S BF	10200	200
41; 42	150x1, 4/1,6/1,8x22,23	A40 S BF	10200	200
41; 42	180x1, 4x22,23	A40 S BF	8500	200
41; 42	180x1,6/1,8x22,23	A40 S BF	8500	150
41; 42	230x1,6/1,8x22,23	A40 S BF	6650	100
41; 42	230x2x22,23	A36 S BF	6650	50

Type 41



Type 42



#### USED EQUIPMENT

Hand grinders  
including electric  
power grinders



**80m/s**

Highly productive thin cut-off wheels



### **"NON-FERROUS METALS"**

Wheels used for cutting of  
non-ferrous metal and alloys on basis of non-ferrous metals.

type	wheel size	characteristic	RPM	pcs. in a box
41; 42	115x1,2/1, 4x22,23	A54 R BF	13300	400
41; 42	115x1,6x22,23	A40 R BF	13300	400
41; 42	125x1,2/1, 4x22,23	A54 R BF	12250	400
41; 42	125x1,6x22,23	A40 R BF	12250	400
41	150x1x22,23	A54 R BF	10200	200
41; 42	150x1,2/1, 4x22,23	A54 R BF	10200	200
41; 42	150x1,6/1,8x22,23	A40 R BF	10200	200
41; 42	180x1, 4x22,23	A54 R BF	8500	200
41; 42	180x1,6/1,8x22,23	A40 R BF	8500	150
41; 42	230x1,6/1,8x22,23	A40 R BF	6650	100
41; 42	230x2x22,23	A40 R BF	6650	50

Type 41

Type 42

#### USED EQUIPMENT

Hand grinders  
including electric  
power grinders



## 80m/s

## ***The basic advantages when using "thin" cut-off wheels:***

- ideal for cutting of above-stated materials;
- the cutting with thin wheels saves the metal;
- high resistance of the wheels due to the decrease of the efforts that are used during the work (soft cut);
- reduction of electrical energy consumption to 60%;
- high productivity when cutting;
- low temperature of the cut and its smoothness are provided by cutting of the smaller quantity of the material;
- decrease in temperature of cutting reduces considerably the risk of structure changing of metals - "burning";
- time is saved for additional processing of material because when cutting wheels leave less burrs;
- reduction of transport expenses, warehouses, packing material;

#### FOR EXAMPLE:

size of wheel	in a package	in a box	weight
125x1.0x22.23	25 pcs.	400 pcs.	10.6 kg
125x2.5x22.23	25 pcs.	200 pcs.	13.5 kg

- waste amount of the wheels is decreased and the problem of their utilization accordingly.



## Highly productive thin cut-off wheels



## Skin - packing

Convenient packing for big trade networks.  
Availability of eurofixtures allows to place the goods conveniently  
on the stands of display area.  
The goods are saved from damages when storage and transportation.



It's necessary to comply with safety and protection of health rules  
when using cut-off wheels. There are relevant pictographs on all wheels.



Consider  
safety  
recommendations



Protective  
gloves  
are required



Put on  
a respirator



Anti-noise  
protection  
is required



Protection  
of eyes  
is required



Not permissible  
for face  
grinding

**Warning**  
Do not exceed  
maximum RPM

Highly productive thin cut-off wheels



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