



**WELDLINE™**  
by Lincoln Electric



**Listen to your grinding and cutting passion.  
Use our **DUCTI Discs!****

MORE COMFORT AND SAFETY FOR WELDERS

# OUR GRINDING AND CUTTING DISKS

**Weldline is offering a range of cutting and grinding disks designed for the main applications of industrial customers.**

- ◆ Two extra thin cutting disks of 1 mm for steel and stainless steel.
- ◆ Flat and depressed center, hard cutting disk range for structural steel.
- ◆ A range of hard grinding disks for structural steel.
- ◆ A range of abrasive flap disks for grinding, finishing and cleaning applications.



**OSA** When buying such products, always ask for OSA certification, a warranty that the product complies with the safety standard and the additional requirements of the Organisation for the Safety of Abrasives

**3 YEARS OPTIMAL USE\***

**EN 12413  
EN 13743**

\* Have to be used within 3 years from the production date.



Red line means maximum speed 80 m/s

Wheel diameter	Maximum revolution at 80 m/s
115 mm	13 300 rpm
125 mm	12 250 rpm
180 mm	8 500 rpm
230 mm	6 650 rpm

## DUCTIFLEX PRO

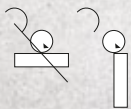
**Top quality cutting disks for professional use.**

A range of high quality products providing an ideal balance between performance and life duration.

**Characteristics:**

- ◆ Maximum speed 80 m/s.
- ◆ Diameter 115 to 230 mm.
- ◆ Thickness 1.0 to 3.2 mm.
- ◆ Design for steel, except the extra thin disks designed for steel and stainless steel.

**Recommendations:**



Cutting will be faster by using a smaller contact surface between the disk and the work piece



Dimensions	Shape	Use	Specification*	Unit / box	To order
115 x 1 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000261930
125 x 1 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000261931
115 x 1.6 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000335001
125 x 1.6 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000335002
115 x 2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261932
125 x 2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261933
180 x 2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261934
125 x 1 x 22 mm	flat	alu	AC 46 S7 BF	50	W000401338
230 x 2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261935
180 x 2.5 x 22 mm	flat	steel	A 36 S7 BF	25	W000261936
230 x 2.5 x 22 mm	flat	steel	A 36 S7 BF	25	W000261937
115 x 3.2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261938
180 x 3.2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261939
230 x 3.2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261940
125 x 3 x 22 mm	depressed	alu	AC 36 S7 BF	25	W000401348
115 x 2.5 x 22 mm	depressed	steel	A 36 S7 BF	25	W000261941
115 x 3.2 x 22 mm	depressed	steel	A 36 S7 BF	25	W000335005
125 x 2.5 x 22 mm	depressed	steel	A 36 S7 BF	25	W000261942
125 x 3.2 x 22 mm	depressed	steel	A 36 S7 BF	25	W000335006
180 x 2.5 x 22 mm	depressed	steel	A 36 S7 BF	25	W000261943
230 x 2 x 22 mm	depressed	steel	A 36 S7 BF	25	W000335003
230 x 2.5 x 22 mm	depressed	steel	A 36 S7 BF	25	W000261944
230 x 3.2 x 22 mm	depressed	steel	A 36 S7 BF	25	W000335004

- Extra thin wheels providing a fast and economical cutting performance on steel and stainless steel.
- Extra long product life
- High cutting speed
- Specially efficient on steel bars, pipes, sheets or shaped sections
- No need to eliminate burr after cutting
- Less material waste

- Hard cutting disks for structural steel.
- Long life duration
- Iron and structural steel cutting
- Same quality with depressed center

# DISKS: FOR HIGHEST LIFETIME

## DUCTIFLEX

A grinding range for standard structural steel.

Characteristics:

- ◆ Steel surface cleaning, deburring, angle and corner dressing.
- ◆ Very good balance between performance and price, long life product.

Dimensions	Shape	Use	Specification	Unit / box	To order
115 x 6 x 22 mm	Depressed	Standard steel	A 30 S7 BF	10	W000261945
125 x 6 x 22 mm	Depressed	Standard steel	A 30 S7 BF	10	W000261946
180 x 6 x 22 mm	Depressed	Standard steel	A 30 S7 BF	10	W000261947
230 x 6 x 22 mm	Depressed	Standard steel	A 30 S7 BF	10	W000261948



### Explanation of the specifications

XXX	XX	X	XX	XX
Abrasive type	Grit size	Hardness	Structure	Bond

#### Abrasive type

**A:** Regular Aluminium oxide. For plain and low alloyed steel, cast steel and chilled cast iron  
**61A:** Mixed Aluminium oxide. For grinding stainless steel and acid resisting steel

#### Grit size

16	20	22	24	30	36	40	46	54	60	70	80	90	100	120	150
Coarse				Medium						Fine					

Coarse for works without special precision, to fine for smoother surface

#### Hardness grade

E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Very soft			Soft			Medium					Hard			

Soft grade are dedicated to hard materials, hard grade to softer materials

#### Structure

3	4	5	6	7	8	9	10	11	12	13
Closed		Medium				Open		Very open		

Ratio between grain, bond and pore. The softer the material is the more open structure is recommended

#### Bond

V	B	BF
Vitrified bonded	Resinoid bonded	Glass fibre

Resinoid bond are more flexible, for dynamic and forceful use than vitrified bond Glass fibre increase the resistance specialty for heavy usage

## DUCTIFLAP

Abrasive flap disks.

These disks are made by cutting abrasive fabrics, then cutting as flaps and bonding them on a fiberglass or nylon backing plate by an adhesive.

Our DUCTIFLAP disks are based on Zirconia Alumina, specially designed for steel, alloyed steel, non ferrous material; cast iron, wood and plastic. We use conical disks because it is possible to use them for curve surfaces, for edge grinding as well as lubricious or primed surfaces. The grits are either 40, 60 or 80. The higher the grit is, the more precise the result is.

- The types are 115 x 22 mm and 125 x 22 mm.
- Bonding material: synthetic resin bonding phenolic resins.
- Backing plate: fiberglass or nylon (plastic).
- Filler: kryolits, calcide.
- Shape: flat or conical 15%.

Dimensions	Grit	Unit/box	Shape	
			15 % conical for fiberglass backing	Flat for nylon backing
115 x 22 mm	40	10	W000264532	W000273754
	60	10	W000264533	W000273759
	80	10	W000335007	W000273758
125 x 22 mm	40	10	W000264535	W000273757
	60	10	W000264534	W000273756
	80	10	W000335008	W000273755



**Personal protection:** protect your eyes and ears, wear a dust mask, safety gloves, (safety shoes & leather apron are recommended).


**Storage:** in dry and well ventilated areas.

Temperature between 18 and 22 °C, relative humidity between 45 and 60%.

The speed of the machine must never exceed the maximum operating speed of the disk: 80 m/s.



Find us on  
[www.weldline.eu](http://www.weldline.eu)

  
**WELDLINE™**  
by Lincoln Electric