

# Flapdiscs



- **Flapdiscs with bonded abrasive flaps**
- **Flapdiscs with abrasive flap inserts**



The idea of having an abrasive cloth that is wearing off continuously to offer new grinding surface at all time was born in TAF in the late sixties. At that time the first ever flapdisc was designed by TAF who kept the patent for many years. With this in mind it is easy to understand how TAF is handling the basics of flapdisc production. In each flapdisc that we manufacture we apply the know-how of many years of experience with an accurate choice of materials and procedures and with unique abrasive cloth that we exclusively design for our own production to give optimal performance in each application.

TAF has a wide and consistent range of flapdisc that gives a complete portfolio of solutions for any user.

TAF flapdiscs range is divided in two categories:

### PROFESSIONAL RANGE

Includes the top quality items representing the maximum expression of the technical knowledge and the R&D activities of the company.

### UNIVERSAL RANGE

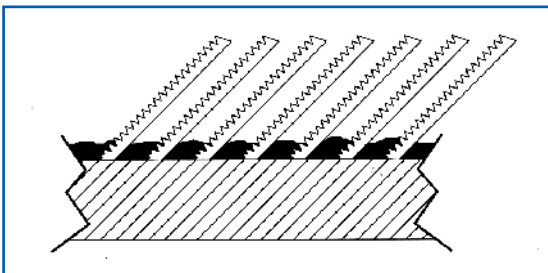
Professional items characterized by an excellent price/performance ratio for great profitability.

The discs are available in two different constructions and two different shapes:

### FLAPDISC TYPE

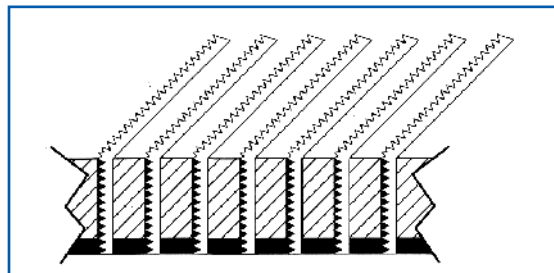
#### WITH BONDED ABRASIVE FLAPS:

- high cutting speed
- universal application



#### WITH ABRASIVE FLAP INSERTS:

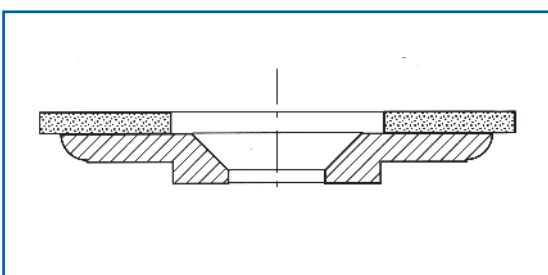
- excellent finishing
- vibration dampening and reduced noise



### FLAPDISC SHAPE

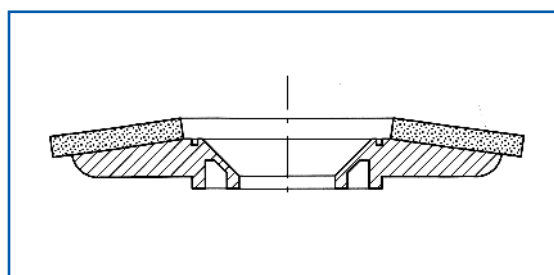
#### FLAT:

- to be used on flat
- good finishing



#### TAPERED:

- to be used on edges
- optimal contact surface



### FLAPDISCS BACKING

- PLASTIC:**
- good flexibility and finishing
  - universal application
- FIBREGLASS:**
- fast stock removal
  - does not scratch the workpiece
- CARTON FIBRE:**
- TAF patent
  - Eco - friendly
  - great flexibility

### FLAPDISCS CLOTH TYPES

- COTTON:**
- high cutting speed
  - good performance at low working pressure
- POLYCOTTON:**
- long working life
  - suitable for heavy-duty applications at medium and high working pressures

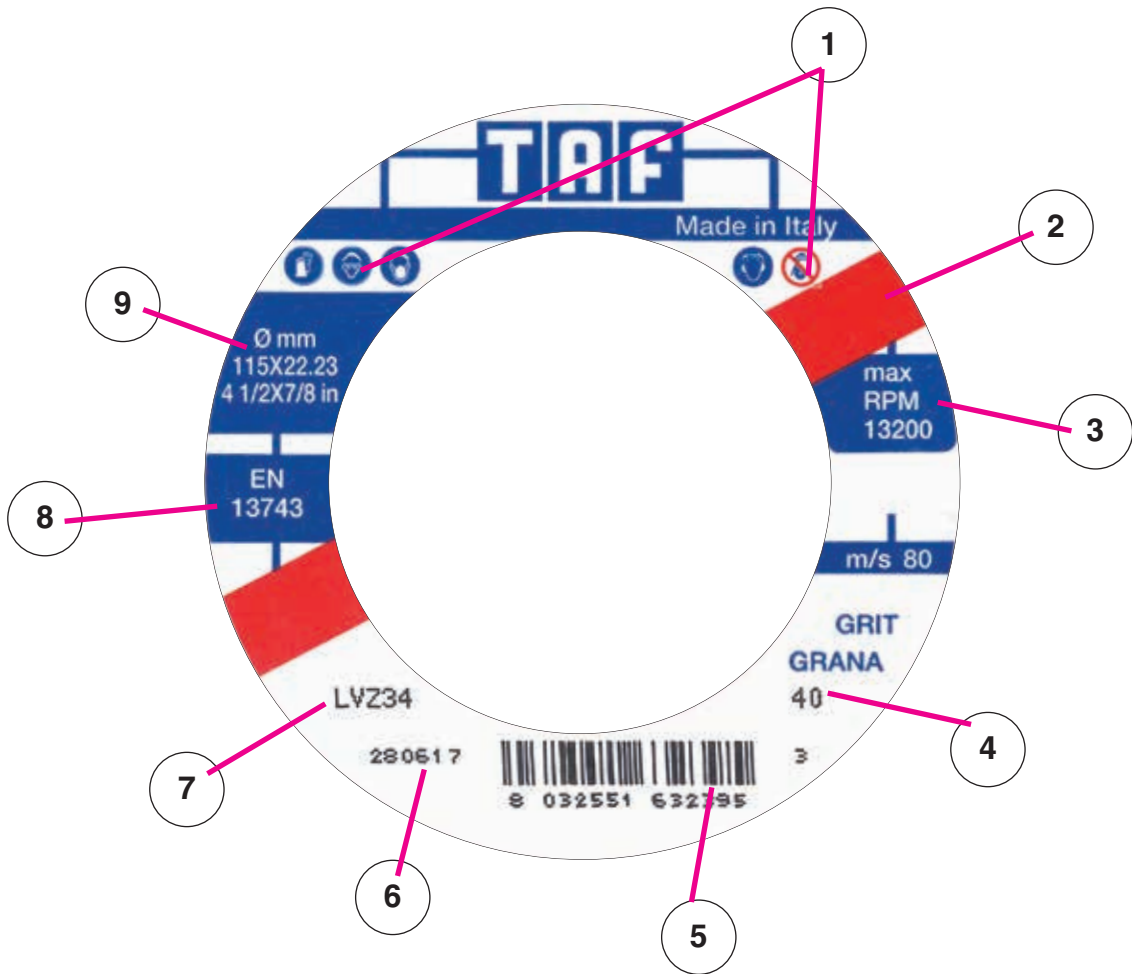
### ABRASIVES

- ALUMINIUM OXIDE:**
- suitable for ferrous and non-ferrous metals, casting, wood and leather
  - good finishing
- ZIRCONIUM:**
- suitable for carbon steel, stainless steel, aluminium and titanium
  - high cutting speed
- ZIRCO - CERAMIC:**
- a unique blend of zirconium and ceramic grains developed by TAF lab
  - ideal for sintered alloys, stainless steel at medium working pressure
- CERAMIC ABRASIVE:**
- latest generation abrasive suitable for heavy-duty applications
  - it is indicated for very hard material at high working pressure
- SILICON CARBIDE:**
- suitable for non-ferrous metal, plastic, glass, marble and stone

### FLAPS DISPOSITION

- SINGLE FLAP:**
- good finishing
  - reduced vibration
- DOUBLE FLAP:**
- aggressive cut
  - low clogging

The products marked by the symbol (< 0,1% Fe, S, Cl) are iron, sulphur and chlorine free to prevent any contamination of the stainless steel and the materials on which they are used.



### LEGEND

1 Instructions for a safe use (pictograms)



Wear protective gloves



Wear protective goggles



Use proper ear protection



Wear dust mask



Do not use for wet grinding

2 Maximum working speed:  = 63m/sec.  = 80m/sec.

3 Max RPM

4 Grit

5 Barcode

6 Batch number

7 Item number

8 European safety standards

9 Flapdisc size

# FLAPDISCS WITH BONDED ABRASIVE FLAPS



## PLASTIC BACKING

### UNIVERSAL RANGE

PIC Line

- Polycotton cloth
- Double flap construction
- For applications on carbon steel



### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
PIC71Z	115	22	●	●	●	●	2,19	20	13200
PIC81Z	125	22	●	●	●	●	2,59	20	12000

### UNIVERSAL RANGE

CIP Line

- Cotton cloth
- Single flap construction
- For applications on stainless steel



### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
CIP47Z	115	22	●	●	●	●	2,73	20	13200
CIP58Z	125	22	●	●	●	●	3,47	20	12000

### ZIRCONIUM OXIDE DISCS - TAPERED

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
CIP46Z	115	22	●	●	●	●	2,73	20	13200
CIP57Z	125	22	●	●	●	●	3,47	20	12000

Aluminium oxide discs with flat shape, available upon request

# TAF FLAPDISCS WITH BONDED ABRASIVE FLAPS

## PLASTIC BACKING



### PROFESSIONAL RANGE



#### LN Line

- Cotton cloth
- Single flap construction
- For applications on carbon steel
- Medium working pressure

#### ALUMINIUM OXIDE DISCS - FLAT

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
LNA73	115	22	●	●	●	●	3,28	20	11000



#### LN Line

- Cotton cloth
- Single flap construction
- For applications on stainless steel
- Medium working pressure

#### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
LNZ74	115	22	●	●	●	●	3,52	20	11000

### PROFESSIONAL RANGE



#### LEODISC Line

- Cotton cloth
- Double flap construction
- For applications on carbon steel and stainless steel
- High working pressure
- Perfect mounting of these discs is achieved with nut M14165

#### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits			List Price Each	Packing	Max rpm
			80	60	40			
48Z	115	22	●	●	●	3,77	20	13200

# FLAPDISCS WITH BONDED ABRASIVE FLAPS



## PLASTIC BACKING

PROFESSIONAL RANGE

TRIMTAF Line

- Polycotton cloth
- Single flap construction
- For applications on stainless steel and carbon steel
- Top size coat - cool grinding
- Long working life
- Trimmable backing
- Medium working pressure



FLAPDISCS

### ZIRCO-CERAMIC DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits			List Price Each	Packing	Max rpm
			80	60	40			
TRT53 <b>NEW</b>	115	22	●	●	●	3,50	20	13200
TRT63 <b>NEW</b>	125	22	●	●	●	4,20	20	12000

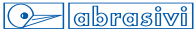
### ZIRCO-CERAMIC DISCS - TAPERED

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits			List Price Each	Packing	Max rpm
			80	60	40			
TRT54 <b>NEW</b>	115	22	●	●	●	3,50	20	13200
TRT64 <b>NEW</b>	125	22	●	●	●	4,20	20	12000

# TAF FLAPDISCS WITH BONDED ABRASIVE FLAPS

## PLASTIC BACKING



### PROFESSIONAL RANGE



#### QUICK-CHANGE EOLO Line

- Polycotton cloth
- Single flap construction
- For applications on stainless steel and carbon steel
- Ventilated plastic backing
- Threaded bore M14 for quick changeover without locking nut

#### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
EF92Z	115	M14	●	●	●	●	3,51	20	13200
EF94Z	125	M14	●	●	●	●	4,05	20	12000

#### ZIRCONIUM OXIDE DISCS - TAPERED

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
EF93ZI	115	M14	●	●	●	●	3,51	20	13200
EF95ZI	125	M14	●	●	●	●	4,05	20	12000

### PROFESSIONAL RANGE



#### EOLO Line

- Polycotton cloth
- Single flap construction
- For applications on stainless steel and carbon steel
- Ventilated plastic backing
- High working pressure

#### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits		List Price Each	Packing	Max rpm
			60	40			
87Z	115	22	●	●	3,92	20	13200
85Z	125	22	●	●	4,90	20	12000
86Z	180	22		●	8,19	10	8500

#### ZIRCONIUM OXIDE DISCS - TAPERED

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits		List Price Each	Packing	Max rpm
			60	40			
287ZI	115	22	●	●	3,92	20	13200
285ZI	125	22	●	●	4,90	20	12000



# FLAPDISCS WITH BONDED ABRASIVE FLAPS



## FIBREGLASS BACKING

### UNIVERSAL RANGE

#### ZOOM FIBRE Line

- Polycotton cloth
- Single flap construction
- For applications on carbon steel



#### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits			List Price Each	Packing	Max rpm
			80	60	40			
75Z	115	22	●	●	●	2,19	20	13200
77Z	125	22	●	●	●	2,59	20	12000

#### ZIRCONIUM OXIDE DISCS - TAPERED

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits			List Price Each	Packing	Max rpm
			80	60	40			
76Z1	115	22	●	●	●	2,19	20	13200
78Z1	125	22	●	●	●	2,59	20	12000

### UNIVERSAL RANGE

#### VEZ Line

- Cotton cloth
- Single flap construction
- For applications on carbon steel and stainless steel



#### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits			List Price Each	Packing	Max rpm
			80	60	40			
VEZ35	115	22	●	●	●	2,61	20	13200
VEZ51	125	22	●	●	●	3,03	20	12000

#### ZIRCONIUM OXIDE DISCS - TAPERED

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits			List Price Each	Packing	Max rpm
			80	60	40			
VEZ39	115	22	●	●	●	2,61	20	13200
VEZ52	125	22	●	●	●	3,03	20	12000

# TAF FLAPDISCS WITH BONDED ABRASIVE FLAPS

## FIBREGLASS BACKING



### PROFESSIONAL RANGE



#### LV Line

- Cotton cloth
- Single flap construction
- For applications on carbon steel
- Medium/low working pressure

#### ALUMINIUM OXIDE DISCS - FLAT

Item	Diameter mm	Bore mm	Grits					List Price Each	Packing	Max rpm
			120	80	60	40	36			
LVA33	115	22	●	●	●	●		2,87	20	13200
LVA41	125	22	●	●	●	●		3,40	20	12000
LVA65	180	22		●	●	●	●	5,98	10	8500

*Discs with tapered shape are also available upon request*



#### LV Line

- Cotton cloth
- Single flap construction
- For applications on stainless steel
- Medium/low working pressure

#### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits					List Price Each	Packing	Max rpm
			120	80	60	40	36			
LVZ34	115	22	●	●	●	●		3,03	20	13200
LVZ42	125	22	●	●	●	●		3,58	20	12000
LVZ66	180	22		●	●	●	●	6,34	10	8500

#### ZIRCONIUM OXIDE DISCS - TAPERED

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits					List Price Each	Packing	Max rpm
			120	80	60	40	36			
LVZ38	115	22	●	●	●	●		3,03	20	13200
LVZ44	125	22	●	●	●	●		3,58	20	12000
LVZ69	180	22		●	●	●	●	6,34	10	8500

*Discs in diameter 100mm are available upon request*

# FLAPDISCS WITH BONDED ABRASIVE FLAPS



## FIBREGLASS BACKING

### PROFESSIONAL RANGE

LPZ Line - LONG WORKING LIFE

- Polycotton cloth
- Single flap construction
- For applications on carbon steel and forged metals
- Long durability
- High working pressure



#### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits			List Price Each	Packing	Max rpm
			80	60	40			
LPZ1	115	22	●	●	●	2,80	20	13200
LPZ5	125	22	●	●	●	3,31	20	12000

#### ZIRCONIUM OXIDE DISCS - TAPERED

(< 0,1% Fe, S, Cl)

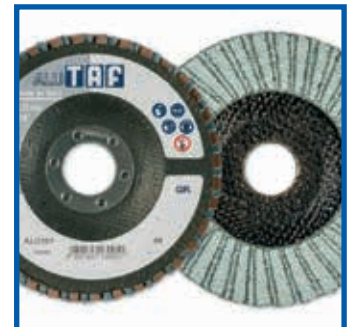
Item	Diameter mm	Bore mm	Grits			List Price Each	Packing	Max rpm
			80	60	40			
LPZ2	115	22	●	●	●	2,80	20	13200
LPZ6	125	22	●	●	●	3,31	20	12000
LPZ9	150	22	●	●	●	4,31	10	10200
LPZ18	180	22	●	●	●	6,01	10	8500

Discs in diameter 100mm are available upon request

### PROFESSIONAL RANGE

ALUTAF Line

- Cotton cloth
- Double flap construction
- Designed for applications on aluminium and non-ferrous metals
- Suitable for applications on mild steel and stainless steel
- Stereate top-size coat anti-clogging



#### ZIRCONIUM OXIDE DISCS - FLAT

Item	Diameter mm	Bore mm	Grits		List Price Each	Packing	Max rpm
			60	40			
ALU101 <b>NEW</b>	115	22	●	●	3,23	20	13200
ALU103 <b>NEW</b>	125	22	●	●	3,82	20	12000

#### ZIRCONIUM OXIDE DISCS - TAPERED

Item	Diameter mm	Bore mm	Grits		List Price Each	Packing	Max rpm
			60	40			
ALU102I <b>NEW</b>	115	22	●	●	3,23	20	13200
ALU104I <b>NEW</b>	125	22	●	●	3,82	20	12000

# TAF FLAPDISCS WITH BONDED ABRASIVE FLAPS

## FIBREGLASS BACKING



### PROFESSIONAL RANGE



#### LPT Line - ZIRCO-CERAMIC

- Polycotton cloth
- Single flap construction
- For applications on stainless steel, titanium and carbon steel
- Top size coat - cool grinding
- Long working life
- High working pressure
- Medium duty

#### ZIRCO-CERAMIC DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
LPT3	115	22	●	●	●	●	3,77	20	13200
LPT7	125	22	●	●	●	●	4,42	20	12000

#### ZIRCO-CERAMIC DISCS - TAPERED

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
LPT4I	115	22	●	●	●	●	3,77	20	13200
LPT8I	125	22	●	●	●	●	4,42	20	12000

Other diameters are available upon request

### PROFESSIONAL RANGE



#### LPG Line - CERAMIC TOP

- Polycotton cloth
- Single flap construction
- For applications on sintered alloys, stainless steel, inconel and carbon steel
- Top size coat - cool grinding
- Long working life
- Excellent performance at very high working pressure
- Heavy duty

#### CERAMIC DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			80	60	40	36			
LPG13	115	22	●	●	●	●	4,05	20	13200
LPG16	125	22	●	●	●	●	4,73	20	12000

#### CERAMIC DISCS - TAPERED

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			80	60	40	36			
LPG14I	115	22	●	●	●	●	4,05	20	13200
LPG17I	125	22	●	●	●	●	4,73	20	12000

Other diameters are available upon request

# FLAPDISCS WITH BONDED ABRASIVE FLAPS **TAF**

 abrasivi

## CARTON FIBRE BACKING

### UNIVERSAL RANGE

BIOTAF Line

- Cotton cloth
- Single flap construction
- For applications on carbon steel
- Patented backing pad in extremely eco-friendly carton fibre



### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits			List Price Each	Packing	Max rpm
			80	60	40			
<b>LB11Z</b>	115	22	●	●	●	2,30	20	13200
<b>LB21Z</b>	125	22	●	●	●	2,75	20	12000

### ZIRCONIUM OXIDE DISCS - TAPERED

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits			List Price Each	Packing	Max rpm
			80	60	40			
<b>LB15Z</b>	115	22	●	●	●	2,30	20	13200
<b>LB25Z</b>	125	22	●	●	●	2,75	20	12000

## BACKING PADS

Pads for item BIOTAF which turn the disc into a more aggressive and direct tool.  
 Without PBIO: vibration dampening, soft approach, more comfort.  
 With PBIO: a more aggressive approach, faster stock removal, improved performance.



Item	Description	List Price Each	Packing	Suitable for
<b>PBIO67</b>	pad diam. 67 mm	1,05	1	angle grinders M14
<b>PBIO58</b>	pad diam. 67 mm	1,05	1	angle grinders 5/8

### PROFESSIONAL RANGE



#### CLASSIC Line

- Cotton cloth
- Double flap construction
- For applications on carbon steel

#### ALUMINIUM OXIDE DISCS - FLAT

Item	Diameter mm	Bore mm	Grits										List Price Each	Packing	Max rpm		
			320	220	180	150	120	100	80	60	50	40				36	
43A	110	22	●	●	●	●	●	●	●	●	●	●	●	●	5,83	20	11000
126A*	165	22						●	●	●	●	●		10,34	10	6800	



#### CLASSIC Line

- Cotton cloth
- Double flap construction
- For applications on stainless steel and carbon steel

#### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits										List Price Each	Packing	Max rpm	
			320	220	180	150	120	100	80	60	50	40				36
61Z	110	22					●	●	●	●	●	●	●	6,22	20	11000
114Z*	165	22						●	●		●	●		11,24	10	6800



#### CLASSIC Line

- Cotton cloth
- Double flap construction
- For applications on marble, stones and glass

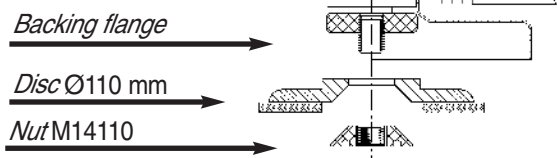
#### SILICON CARBIDE DISCS - FLAT

Item	Diameter mm	Bore mm	Grits										List Price Each	Packing	Max rpm
			320	220	180	150	120	100	80	60	50	40			
43CS	110	22	●	●			●		●	●			6,24	20	11000
126C*	165	22	●	●	●		●		●	●			10,82	10	6800

\*For safety reasons the items 126A, 114Z, 126C must be always used with P165 backing pad.

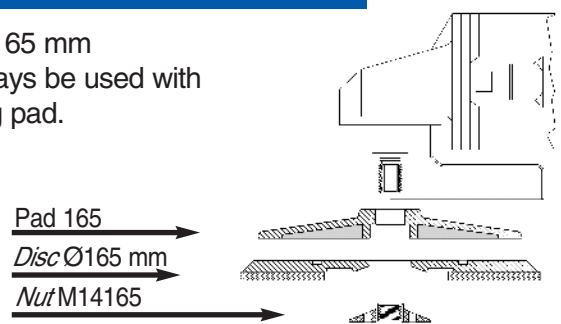
#### MOUNTING DISCS Ø 110 mm

To ensure quick and perfect mounting of the discs special conical nuts are available.



#### MOUNTING DISCS Ø 165 mm

Discs Ø 165 mm must always be used with a backing pad.



# FLAPDISCS WITH ABRASIVE FLAP INSERTS



## PLASTIC BACKING

### UNIVERSAL RANGE

DL Line

- Cotton cloth
- Double flap construction
- For applications on carbon steel and aluminium



### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
DL112	110	22	●	●	●	●	5,58	20	11000
DL172	170	22		●	●	●	9,73	10	7000

### PROFESSIONAL RANGE

QUICK-CHANGE Line

- Cotton cloth
- Double flap construction
- For applications on carbon steel
- Threaded bore M14 for quick changeover without locking nut



### ALUMINIUM OXIDE DISCS - FLAT

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
LFA31	110	M14	●	●	●	●	6,66	20	11000

QUICK-CHANGE Line

- Cotton cloth
- Double flap construction
- For applications on stainless steel and carbon steel
- Threaded bore M14 for quick changeover without locking nut



### ZIRCONIUM OXIDE DISCS - FLAT

(< 0,1% Fe, S, Cl)

Item	Diameter mm	Bore mm	Grits				List Price Each	Packing	Max rpm
			120	80	60	40			
LFZ32	110	M14	●	●	●	●	7,12	20	11000

## BACKING PADS AND LOCKING NUTS

Item	Description	List Price Each	Packing	Suitable for
M14110	nut M14	6,82	1	43A - 61Z - 43CS - DL112
M14165	nut M14	6,92	1	48Z - 126A - 114Z - 126C - DL172
P165	plastic pad diam. 145 mm	2,80	1	126A - 114Z - 126C
PB140	fibreglass pad diam. 145 mm	2,64	1	126A - 114Z - 126C

