



# Cutting and grinding discs



- Cutting discs flat
- Cutting discs depressed centre
- Grinding discs depressed centre



CUTTING AND  
GRINDING DISCS

TAF Cutting and grinding discs were designed to satisfy the widest range of applications and all types of demand.

### PROFESSIONAL RANGE

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

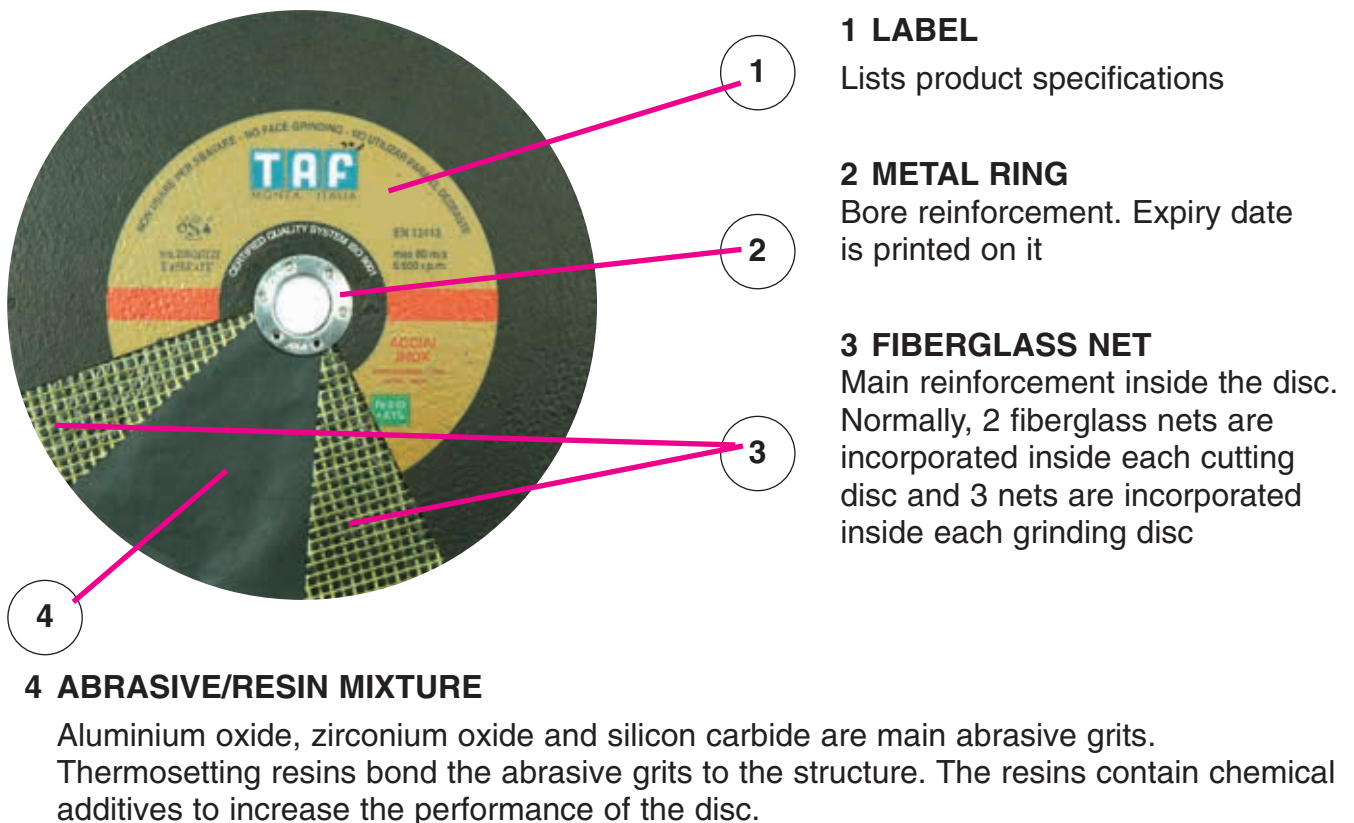
### UNIVERSAL RANGE

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

### CUTTING AND GRINDING DISCS COMPOSITION

These products are made of 4 main components: the mixture of abrasive minerals and bonding, the fiberglass reinforced net, the metal ring and the label. In use the abrasive mineral is the sole “working” component of the tool for cutting and grinding operations. The resistance to mechanical stress and the strength of the tool structure is then given by the fiberglass net and the metal ring. Label displays the characteristics of the disc.

Here is a resume of the disc components:



#### 1 LABEL

Lists product specifications

#### 2 METAL RING

Bore reinforcement. Expiry date is printed on it

#### 3 FIBERGLASS NET

Main reinforcement inside the disc. Normally, 2 fiberglass nets are incorporated inside each cutting disc and 3 nets are incorporated inside each grinding disc

#### 4 ABRASIVE/RESIN MIXTURE

Aluminium oxide, zirconium oxide and silicon carbide are main abrasive grits. Thermosetting resins bond the abrasive grits to the structure. The resins contain chemical additives to increase the performance of the disc.

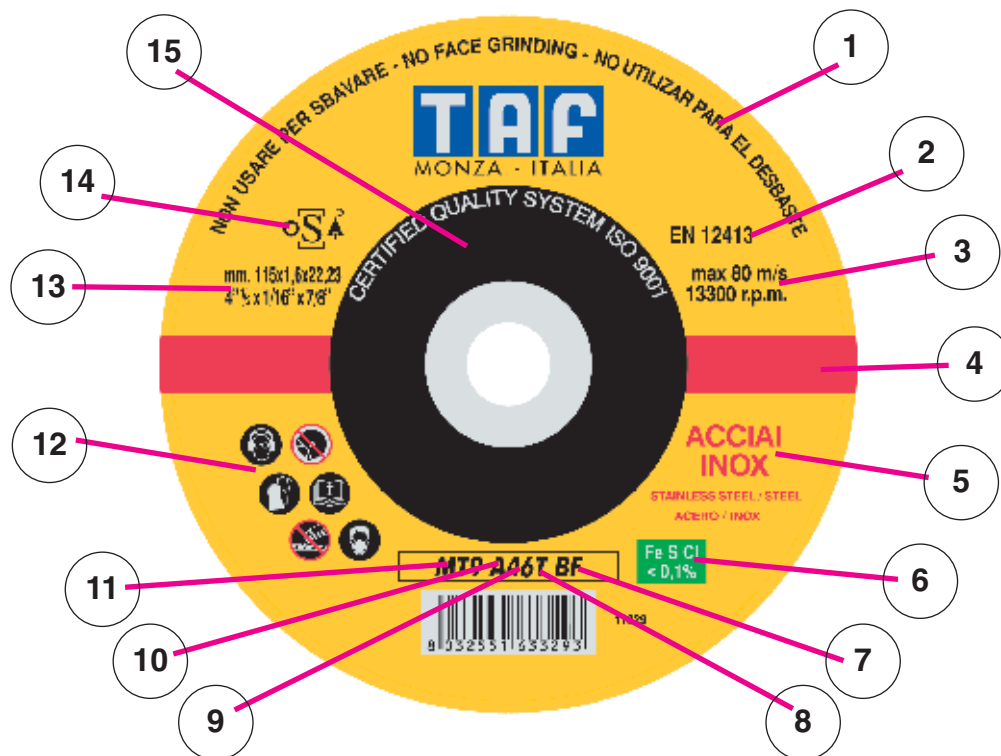
### SAFETY WARINING

- Do not exceed the max RPM shown on the disc label while working
- Always wear goggles, gloves and suitable safety clothing.
- To check carefully all the discs before mounting.
- It is strictly forbidden to use a cutting disc for any grinding applications.
- Cutting and grinding discs must be kept in dry and ventilated places; the following storage conditions are strictly recommended: Temperature 15 ÷ 25° C - Relative humidity 40 ÷ 70 %

The discs must be kept away from heat sources and floors.

# GRINDING AND CUTTING DISCS

## HOW TO READ THE DISC LABEL



### HOW TO READ THE LABEL

- 1 Instruction of use
- 2 European safety standard
- 3 Max RPM
- 4 Maximum working speed ■ = 63m/sec. ■ = 80m/sec.
- 5 Main application
- 6 Free of iron, sulphur and chlorine compounds
- 7 Reinforced resin bonding
- 8 Hardness
- 9 Grit size
- 10 Abrasive mineral: A = Aluminium oxide, C = Silicon carbide, Z = Zirconium oxide
- 11 Item number
- 12 Instructions for a safe use (pictograms)
  - Read the instructions
  - Wear protective gloves
  - Wear eye and hearing protection
  - Wear dust mask
  - Do not use for grinding
  - Do not use if damaged
- 13 Disc dimensions
- 14 Organization for the Safety of Abrasives
- 15 ISO 9001 Certification

## FOR PORTABLE ANGULAR GRINDERS

### PROFESSIONAL RANGE



With these thin cutting discs high and fast cutting performances are ensured with low burr and heat generation.

Items MT16, MT10, MT9 and MT11 are free of iron, sulphure and chlorine compounds.

They are widely used for high technology applications in specific fields such as aircraft manufacturing, food industries, chemical plants and stainless steel factories.

#### CUTTING OF STEEL AND STAINLESS STEEL item **MT16** A46N (< 0,1% Fe, S, Cl)

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	1	22	1,59	50	13300
125	1	22	1,72	50	12200



#### CUTTING OF STEEL AND STAINLESS STEEL item **MT10** A46T (< 0,1% Fe, S, Cl)

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	1,2	22	1,50	50	13300
125	1,2	22	1,63	50	12200



#### CUTTING OF STEEL AND STAINLESS STEEL item **MT9** A46T (< 0,1% Fe, S, Cl)

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	1,6	22	1,50	50	13300
125	1,6	22	1,63	50	12200
150	<b>NEW</b> 1,6	22	2,26	25	10200
180	<b>NEW</b> 1,6	22	2,52	50	8500

# CUTTING DISCS FLAT



## FOR PORTABLE ANGULAR GRINDERS

PROFESSIONAL RANGE

Suitable for cutting small and medium-sized steels. They have an extremely fast and precise cut, without burr formation, without heating the workpiece.



### CUTTING OF STEEL AND CAST IRON item **MT15** A46T

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
180	2	22	2,30	50	8500



### CUTTING OF STEEL AND STAINLESS STEEL item **MT11** A36N

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

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
230	2	22	3,18	50	6600



## FOR PORTABLE ANGULAR GRINDERS

### PROFESSIONAL RANGE



Items MT28 and MT29 are suitable for cutting operations of aluminium and non-ferrous metals.

#### CUTTING OF ALUMINIUM item **MT28** A30N

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	1,6	22	1,59	50	13300
125	<b>NEW</b> 1,6	22	1,75	50	12200



#### CUTTING OF ALUMINIUM item **MT29** A30N

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
230	2,5	22	3,39	25	6600



The thin cutting discs in silicon carbide MT32 are used for cutting operations on natural stones and building materials.

#### CUTTING OF NATURAL STONES AND BUILDING MATERIALS item **MT32** C36S

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	1,6	22	1,59	50	13300
125	1,6	22	1,72	50	12200

# CUTTING DISCS FLAT



## FOR PORTABLE ANGULAR GRINDERS

### UNIVERSAL RANGE

With the thin cutting discs BIT40, BIT45 and BIT50 high and fast cutting performances are ensured with low burr and heat generation.



#### CUTTING OF STEEL AND STAINLESS STEEL item **BIT40** A46R

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

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	1	22	1,31	50	13300
125	1	22	1,43	50	12200



#### CUTTING OF STEEL AND STAINLESS STEEL item **BIT45** A46R

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

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	1,6	22	1,25	50	13300
125	1,6	22	1,38	50	12200



#### CUTTING OF STEEL AND STAINLESS STEEL item **BIT50** A36R

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

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
230	2	22	2,51	50	6600

## FOR PORTABLE ANGULAR GRINDERS

### UNIVERSAL RANGE



With the “zoom line”, fast cutting performances are achievable at economic rates.

**CUTTING OF STEEL AND STAINLESS STEEL** item **ZOOM 75** A46R ( $< 0,1\% \text{ Fe, S, Cl}$ )

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	1	22	1,03	50	13300
125	1	22	1,11	50	12200



**CUTTING OF STEEL AND STAINLESS STEEL** item **ZOOM 80** A46R ( $< 0,1\% \text{ Fe, S, Cl}$ )

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	1,6	22	1,03	50	13300
125	1,6	22	1,11	50	12200



# CUTTING DISCS FLAT FOR STATIONARY MACHINES



## PROFESSIONAL RANGE

Items MT7, MT8, MT22, MT23 are used for cutting of metals on stationary machines.



### CUTTING OF STEEL AND CAST IRON item **MT7** A46N (max speed 63 m/s)

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
300	2,5	25,4	6,02	25	4000



### CUTTING OF STEEL AND CAST IRON item **MT8** A24N (max speed 80 m/s)

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
300	3,8	30	6,18	25	5100



### CUTTING OF STEEL AND CAST IRON item **MT22** A46N (max speed 63 m/s)

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
350	3	25,4	8,13	25	3440



### CUTTING OF STEEL AND CAST IRON item **MT23** A24N (max speed 80 m/s)

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
350	4	30	9,46	25	4400

# CUTTING DISCS DEPRESSED CENTRE FOR PORTABLE ANGULAR GRINDERS

## PROFESSIONAL RANGE



Item MT19 is suitable for steel, sintered alloys and stainless steel. Safe and fast cutting performances are achievable because of the 2,5 mm thickness. MT19 discs ensure also a low heat generation.

### CUTTING OF STEEL AND STAINLESS STEEL item **MT19** A36N ( $< 0,1\% \text{ Fe, S, Cl}$ )

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	2,5	22	1,48	50	13300
125	2,5	22	1,65	50	12200
180 <b>NEW</b>	2,5	22	2,67	25	8500
230	2,5	22	3,10	25	6600



Item MT4 ensures high cutting performances on a wide range of metals.

### CUTTING OF STEEL AND CAST IRON item **MT4** A30T

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	3,2	22	1,57	50	13300
125	3,2	22	1,77	50	12200
150	3,2	22	2,19	25	10200
180	3,2	22	2,71	25	8500
230	3,2	22	3,07	25	6600

# CUTTING DISCS DEPRESSED CENTRE FOR PORTABLE ANGULAR GRINDERS



## PROFESSIONAL RANGE



Item MT5 is suitable on stainless steel, it ensures a low heat generation. MT5 disc is free of iron, sulphure and chlorine compounds.

### CUTTING OF STAINLESS STEEL item **MT5** A36N

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

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	3,2	22	1,67	50	13300
125	3,2	22	1,90	50	12200
230	3,2	22	3,31	25	6600



Item MTZ21 is a zirconium-oxide cutting disc designed for stainless steel, high tensile and special materials.

### CUTTING OF STAINLESS STEEL item **MTZ21** ZA36S

**zirconium**

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
230	2,5	22	5,50	25	6600

# CUTTING DISCS DEPRESSED CENTRE FOR PORTABLE ANGULAR GRINDERS

## PROFESSIONAL RANGE



Item MT30 is suitable for cutting of aluminium and non-ferrous metals.

### CUTTING OF ALUMINIUM item **MT30** A30N

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	3,2	22	1,72	50	13300
230	3,2	22	3,35	25	6600



Item MT6 is a silicon carbide disc for stone and building materials.

### CUTTING OF MARBLE AND BUILDING MATERIALS item **MT6** C30S

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	3,2	22	1,74	50	13300
230	3,2	22	3,40	25	6600

# CUTTING DISCS DEPRESSED CENTRE FOR PORTABLE ANGULAR GRINDERS



## UNIVERSAL RANGE

Cutting discs of the universal range offer a favorable cost/performance ratio. Item BIT55 is a disc for a wide range of applications on carbon steel, stainless steel and cast iron.



**CUTTING OF STEEL, STAINLESS STEEL AND CAST IRON** item **BIT55** A30R (< 0,1% Fe, S, Cl)

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	3,2	22	1,25	50	13300
125	3,2	22	1,33	50	12200
150 <b>NEW</b>	3,2	22	1,88	25	10200
180	3,2	22	2,43	25	8500
230	3,2	22	2,62	25	6600

# GRINDING DISCS DEPRESSED CENTRE FOR PORTABLE ANGULAR GRINDERS

## PROFESSIONAL RANGE



Item MS1 offers a fast stock removal, it is widely used on a broad range of metals.

### GRINDING OF STEEL AND CAST IRON item **MS1** A24N

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	6,5	22	2,08	50	13300
125	6,5	22	2,26	50	12200
180	6,5	22	3,67	25	8500
230	6,5	22	5,54	25	6600



Item MS2 is an hard disc for heavy applications offering an excellent stock removal at high working pressure. Best performances are achievable using MS2 discs with powerful grinders.

### GRINDING OF STEEL AND CAST IRON item **MS2** A24R

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
180	6,5	22	3,67	25	8500
230	6,5	22	5,54	25	6600



Item MS3 is a medium hardness disc for stainless steel. MS3 disc is free of iron oxide.

### GRINDING OF STAINLESS STEEL item **MS3** A30P (< 0,1% Fe, S, Cl)

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	6,5	22	2,08	50	13300
125	6,5	22	2,26	50	12200
150	6,5	22	2,79	25	10200
230	6,5	22	5,54	25	6600



# GRINDING DISCS DEPRESSED CENTRE FOR PORTABLE ANGULAR GRINDERS



## PROFESSIONAL RANGE

Item MSZ20 is a zirconium-oxide grinding disc designed for heavy duty applications. It is widely used in foundry and in heavy steelworks. It is recommended to be used on powerful, high frequency portable grinders.



### GRINDING OF STAINLESS STEEL

item **MSZ20** ZA24R

**zirconium**

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115 <b>NEW</b>	7	22	2,76	50	13200
125 <b>NEW</b>	7	22	2,99	50	12200
180 <b>NEW</b>	7	22	6,55	25	8500
230	7	22	9,90	25	6600

Item MS31 is suitable for aluminium and non-ferrous metals.



### GRINDING OF ALUMINIUM

item **MS31** A30N

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	6,5	22	2,21	50	13300
125 <b>NEW</b>	6,5	22	2,35	50	12200
230	6,5	22	5,92	25	6600

Item MS26 is a silicon carbide grinding disc particularly suitable for marble, stones, concrete and any building material.



### GRINDING OF MARBLE AND BUILDING MATERIALS

item **MS26** C24R

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	6,5	22	2,21	50	13300
125	6,5	22	2,35	50	12200
230	6,5	22	5,92	25	6600

# GRINDING DISCS DEPRESSED CENTRE FOR PORTABLE ANGULAR GRINDERS

## UNIVERSAL RANGE



Item BIS60 is a medium hardness disc for a wide range of applications on carbon steel, stainless steel and cast iron.

**GRINDING OF STEEL, STAINLESS STEEL AND CAST IRON** item **BIS60** A30P (< 0,1% Fe, S, Cl)

Diameter mm	Thickness mm	Bore mm	List Price Each	Packing	Max rpm
115	6,5	22	1,65	50	13300
125	6,5	22	1,92	50	12200
150 <i>NEW</i>	6,5	22	2,35	25	10200
180	6,5	22	3,31	25	8500
230	6,5	22	4,82	25	6600