

CUTTING

MOUNTING

POLISHING

HARDNESS AND MICROSCOPY



# I-MAX R

## HIGHLY EFFICIENT DIAMOND PLATES

### PRECISE

Incomparable flatness for samples preparation.

### 100% EUROPEAN

Designed, developed and manufactured by PRESI.

### DURABLE

Unsurpassed shelf life for less waste.

### ECONOMIC

1 I-MAX R = more than 500 abrasive papers\*.

### RELIABLE

Save up to 40% grinding time.

### COLOR CODED & POLYVALENT

Grain size identification by color: 4 colors = 4 grain sizes.  
Metallic back for magnetic systems or reflex FIX adaptation.

### CLEAN

Innovative structure for an optimized waste flow.



A STRONG WORLDWIDE PRESENCE THROUGH SUBSIDIARIES AND MORE THAN 35 DISTRIBUTORS



\* It depends on the materials and polishing processes used.

# I-MAX R DIAMOND DISCS

I-MAX R diamond discs have been developed to reduce grinding time, improve results and simplify the process.

- Mounted or un-mounted samples.
- Hot or cold mounting.
- Automatic or manual operation.

Available in 4 grits: 18µ, 54µ, 75µ, 125µ.

Available in 3 diameters: 200mm, 250mm, 300mm.

	Ø 200MM	Ø 250MM	Ø 300MM
18µ ●	24067	24069	24070
54µ ●	24072	24074	24075
75µ ●	24077	24079	24080
125µ ●	24082	24084	24085



## GLOSSARY

### New resin formulation

Better cutting action, optimized life time, auto regeneration of the plate, wear mastered.

### New design

Perfect flatness of the samples, clear edges, no relief.

### Cloth canvas

No oxidation of the work space, vibration absorption, integrity of the materials.

### Underwater use

Ease of use, simplified cleaning.

### Universal adaptation

Use on magnetic plate or REFLEX FIX (also available on PSA back). Suitable for most materials in the hardness range above HV250.

## SAMPLE PREPARATION METHODS

MATERIALS	PRE POLISHING	POLISHING
Hard steels	I-MAX R 54µ ● I-MAX R 18µ ●	3 µ diamond suspension on RAM cloth PRESI Alumina n°3 on NT cloth
Medium-hard steels	I-MAX R 54µ ● I-MAX R 18µ ●	3 µ diamond suspension on ADR2 cloth 1 µ diamond suspension on TFR cloth PRESI Alumina n°3 on NT cloth
Carbides	I-MAX R 54µ ● I-MAX R 18µ ●	3 µ diamond suspension on RAM cloth 1 µ diamond suspension on TFR cloth PRESI Alumina n°3 on NT cloth
Ceramics	I-MAX R 54µ ● I-MAX R 18µ ●	9 µ diamond suspension on NWF+ cloth 3 µ diamond suspension on NWF+ cloth PRESI Cerium Oxyde on NV cloth
Cast irons	I-MAX R 54µ ● I-MAX R 18µ ●	3 µ diamond suspension on RAM cloth 1 µ diamond suspension on NT cloth
Sintered materials	I-MAX R 54µ ● I-MAX R 18µ ●	3 µ diamond suspension on STA cloth 1 µ diamond suspension on NT cloth PRESI Alumina n°3 on NT cloth

The 75 µ ● and 125 µ ● have been developed for significant material removal.

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ST 310

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