



# easy2818



Accuracy of measurements in resilience testing (monoaxial impact) is strictly related to the accuracy of the specimen's notch .

“easy2818” is the solution designed by ATS FAAR to offer you with a sample preparation tool that's:

- ✓ Precise for demanding application
- ✓ Easy to use
- ✓ Flexible suitable for any type of material
- ✓ Safe being designed in accordance with current EEC safety rules

## **Procedure:**

Specimen are clamped and notched by the combination of the following movements:

- Alternate vertical displacement of the knife with electronic adjustable speed
- Horizontal displacement -linear translation - of the clamp where the specimen is located by manual control

The constant profile of the knife and the design of the specimen centering and blocking system, guarantee high accuracy and repeatability.

## **Main specifications of Notcher easy2818:**

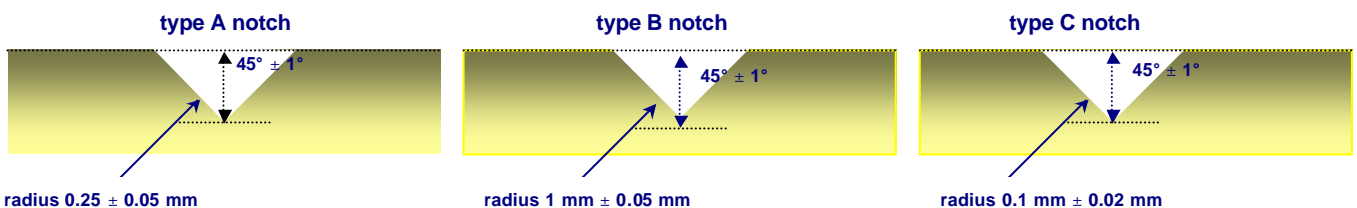
- Alternate vertical displacement of the knife: 30 mm
- Linear speed of the notch: 0 ÷ 18 m/min with electronic control
- Height of the sample support: 25 mm
- Width of the sample support : 15 mm
- Notching area is suitable to locate up to 8 specimens/3 mm thick or up to 6 specimens/4 mm thick
- Adjustment of the depth of the notch with reference to the residual section of the specimen (ISO 2818)
- All metal frame duly painted
- Power supply : 230V, single phase, 50/60 Hz ; 0.5 kVA
- Dimensions (WxDxH) : mm 400x200x400
- Weight : 10 Kg

## **Notching knives:**

**TYPE A:** for “V”-shaped notch ( $45^\circ \pm 1^\circ$ , radius  $0.25 \pm 0.05$  mm), in accordance with ASTM D 256 – ASTM D 6110 – ISO 179 – ISO 180 (type A) - BS 2782 350 – DIN 53753

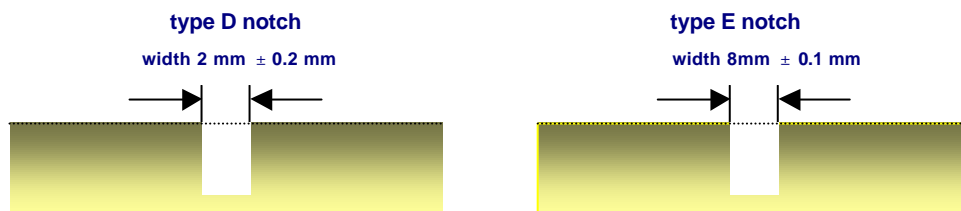
**TYPE B:** for “V”-shaped notch ( $45^\circ \pm 1^\circ$ , radius  $1\text{mm} \pm 0.05$  mm) in accordance with ASTM D 256 – ISO 179 – ISO 180 (type B) - BS 2782 350

**TYPE C:** for “V”-shaped notch ( $45^\circ \pm 1^\circ$ , radius  $0.1\text{mm} \pm 0.02$  mm) in accordance with ISO 179 (type C) – DIN 53753



**TYPE D:** for “U”-shaped notch (width  $2\text{ mm} \pm 0.2$  mm), in accordance with DIN 53453

**TYPE E:** for “U”-shaped notch (width  $8\text{ mm} \pm 0.2$  mm), in accordance with DINSTAT 53435 type K



Indications reported in this bulletin may change without notice. Codes and references for informative purposes only.

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