

## IA 305 High Temperature Retainer

**IA 305** is one-component high temperature anaerobic adhesive developed for assembling metal cylinder parts. It cures when the parts are stiffened. It is used on worn-down parts and everywhere the product with high viscosity and high resistance to temperature is needed.

**IA 305** cures fast and reliably on most metal surfaces and it seals against most of the industrial fluids.

### Application

**IA 305** locks all types and sizes of bearings, shafts and cylinder parts, which are not supposed to be dismantled.

**IA 305** the strength of this product is high, the colour is green so the product can be better identified within working with it. **IA 305** is very suitable for locking the bearings on shafts and in coverings. It can be dismantled by heat.

The curing can be speeded up using the activator **AC 64**. **IA 305** seals against leakage and it protects against the corrosion.

**Chemical characteristics:** **IA 305** is based on di-methacrylate resin.

### **General characteristics:**

Colour : green

Corrosivity : none

Flash point : > 100°C

Maximum gap : up to **0.4 mm**

Shelf life : 6 months (store between 0°C a +5°C)

Specific weight : 1.15 g/cm<sup>3</sup>

Toxicity : none

Temperature limit: **od -50°C do +230°C**

Viscosity : 7000 mPas @ 20°C



### **Performance characteristics:**

Strength Typical Value

Break Moment 20 - 32 N/mm<sup>2</sup>

Tensile Shear Strength 20 - 30 N/mm<sup>2</sup> dle DIN 544

\* Tested on M10 screws and nuts manufactured from mild steel.

### **Application:**

**IA 305** is recommended for high strength locking of cylinder parts where high temperature resistance is required: - shafts, rotors, sheaves (rolls), etc.

**USING INSTRUCTIONS :** The surface must be dry, clean and degreased carefully with the product AC 100.

**PROCESS OF APPLICATION :** The product is applied manually directly from the bottle.

**The Specified values are average and do not represent specifications.**

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