

gravostar RM-20

An active needle drive is not required for the scratch marking process because of the spring mounted, pre-tensioned marking needle. The workpiece is marked by a combination of material compression and displacement. As soon as the point of the needle is brought into contact with the workpiece, the needle penetrates the surface of the material with a defined pre-tension pressure.

Even uneven marking surfaces can be provided with a consistent marking depth because of the consistent pre-tension pressure of the spring-mounted pre-tensioned marking needle in the axial direction with this extremely easily adjustable tool type.

Field of application

Individual rather fine markings of any workpieces
with regular, uneven or rough surfaces.

General information

- Use in machining centres, automatic lathes, etc.
(no additional installations required)
- Extremely easily adjustable tool (without requiring a needle drive)
- Compact, short construction with 20 mm Weldon shank

Tool specifications

- Integrated, automatic distance compensation up to approx. 5 mm
(regular marking depth also of uneven marking surfaces)
- Anodised aluminium housing with reinforced steel plate in the clamping area
(prevents deformation due to clamping screw)
- 2 different adjustable marking depths
(pre-tension pressure of the marking needle 30 or 80 N)
- Extremely high resistance to wear of the hard metal marking needle
(material hardness 92 HRC)
 - needles are simple to replace with just a few manual operations
 - can be used for almost all machinable materials
(hardness of marking surface up to approx. 62 HRC)
- Very short marking time
 - feed speed more than 5'000 mm/min possible
- Extremely high degree of process safety due to single, spring-mounted, pre-tensioned marking needle
- For universal use (Weldon shank shaft with a diameter of 20 mm)

