

gravostar R-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)

Tool specifications

- Integrated, **automatic distance compensation up to approx. 6 mm**
(regular marking depth also of uneven marking surfaces)
- Marking depth via individually pre-adjustable adjusting sleeve
(with scale for repeatable pre-tension pressure adjustment)
- Stable housing made from stainless steel
- Standard model with hardened Weldon shank
(clamping diameter 20 mm)
- Extremely high resistance to wear of the hard metal marking needle
 - 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)
 - VDI tool holders for lathes (optionally available)
 - various HSK, SK or special tool holders for machining centres (optionally available)

