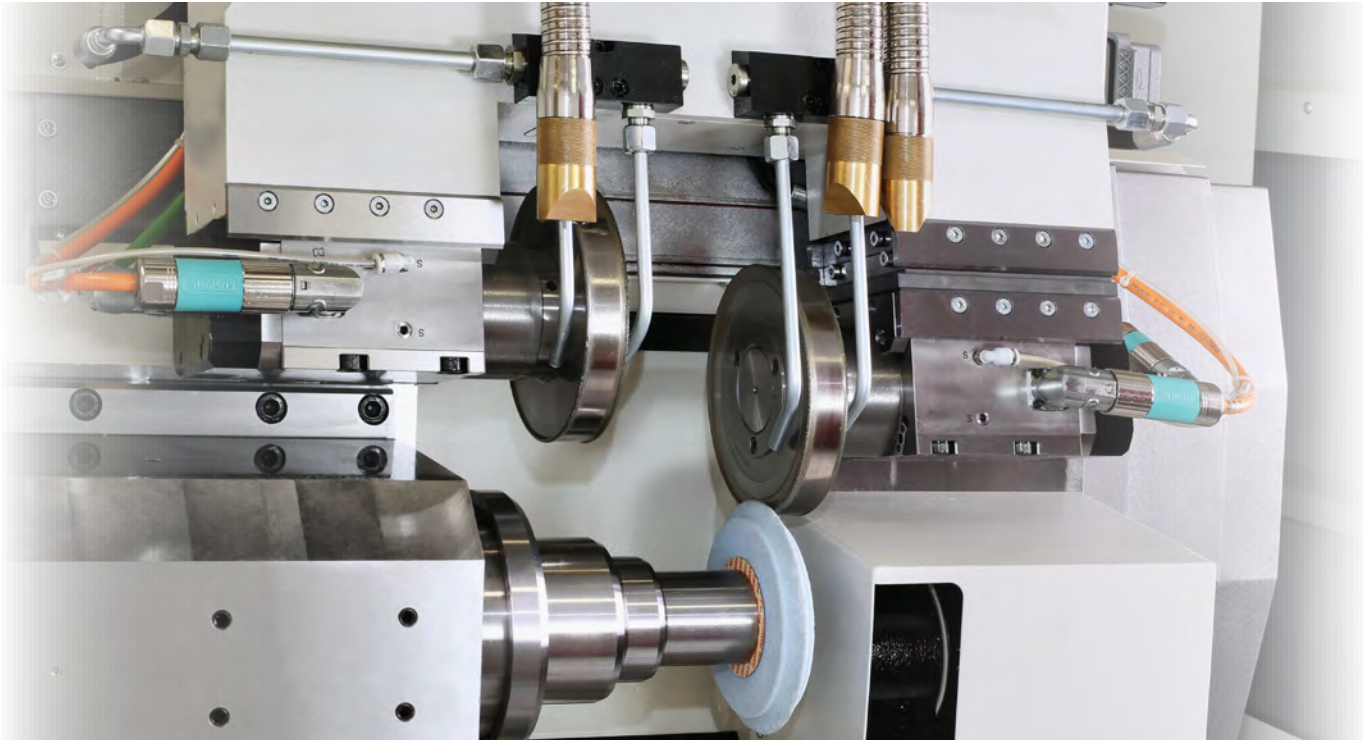


DRESSING TOOLS



KAPP NILES

diamond form rolls



We offer you dressing rolls to profile dressable profile grinding wheels in different designs, both with single and double-sided radius.

All rolls in our product portfolio are characterised by the following production and quality features:

- delivered with machine-specific tool data sheet
- runout inspection surfaces for precisely aligning in the machine
- design with hand-set, highly wear-resistant **chemical vapor deposit-diamond** inserts for profile reinforcement
- design with natural diamond (more wear-resistant than synthetic diamond)
- the rolls are repeatedly regrindable
- radius design is possible from 0.1 mm to 3.0 mm
- profile accuracy < 2.0 µm is realisable

Design of diamond form roll with single radius:



For the series VUS, VAS, VX and KX

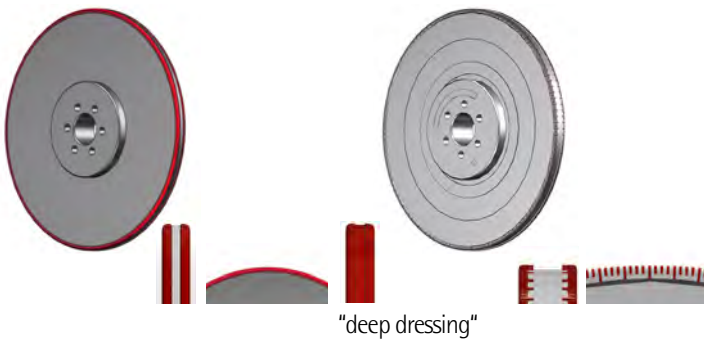
- outer diameter: 120 mm / 130 mm
- bore diameter: 25 mm / 52 mm
- tool width: 25 mm / 40 mm
- radius: 0.1 - 2.0 mm
- cutting material: CVD reinforcement



For the series ZE and ZP

- diameter range: 150 - 230 mm
- bore diameter: 25 mm / 52 mm
- tool width: 25 mm / 40 mm
- radius: 0.5 - 2.0 mm / 1.0 - 2.0 mm
- cutting material: CVD reinforcement / natural diamond

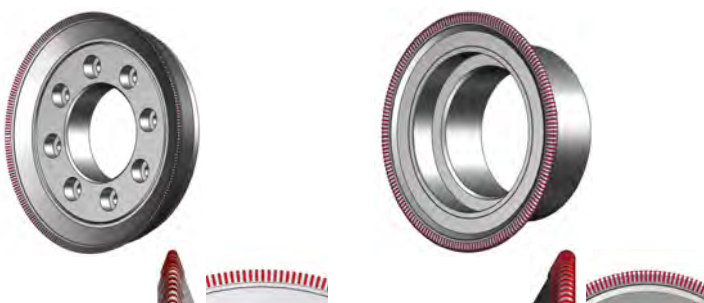
Design of diamond form roll with double-sided radius:



For all of KAPP NILES series

- diameter range: 80 - 230 mm
- bore diameter: 25 mm / 52 mm
- tool width: 25 mm / 40 mm
- radius: 0.5 - 2.0 mm / 1.0 - 2.0 mm
- cutting material: CVD reinforcement / natural diamond

Design as special profile:



For all profile grinding machines

- diameter range: 50 - 230 mm
- radius: 0.1 - 3.0 mm
- cutting material: CVD reinforcement / natural diamond