



THE DEEP HOLE 10xD BORING SOLUTION YOU'VE BEEN LOOKING FOR

OUR SOLUTION

- ▶ Machine up to **10xD**
- ▶ Connect quickly and easily with the **MVS connection**
- ▶ Utilise existing **Wohlhaupter® components**
- ▶ **Increase** your productivity, surface quality, and process reliability
- ▶ **Increase** your tool and spindle life

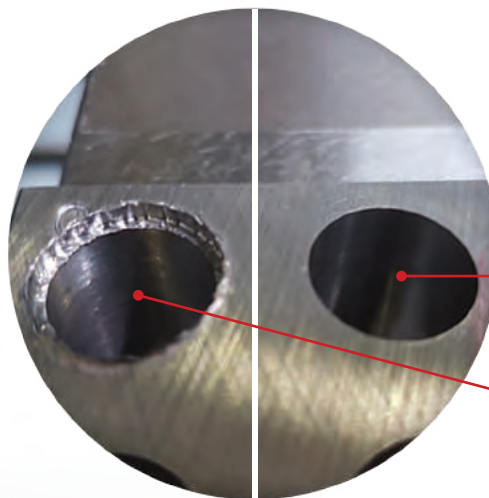
YOUR ADVANTAGE



Dampening module with viscoelastic bearing

Absorber mass

THE SURFACE QUALITY TELLS IT ALL



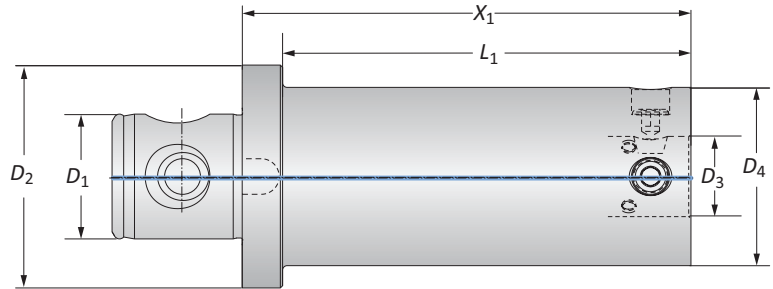
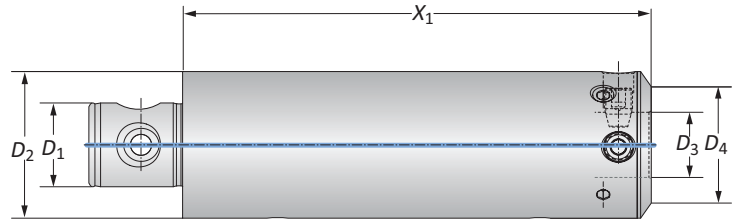
When our customer was machining alloy steel to 9xD, the NOVITECH provided reliable machining, which achieved high surface quality (Ra = 1 µm).

Wohlhaupter NOVITECH with VarioBore precision boring head

Standard tool construction with steel extension

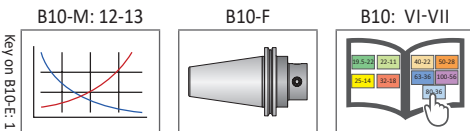
NOVI^{TECH}® Vibration Damping Intermediate Modules

Machining Diameter: 50.00 mm - 205.00 mm



	MVS Connection		NOVI ^{TECH}		Weight	Part No.
	D ₂ D ₁	D ₄ D ₃	X ₁	L ₁		
Ⓜ	50 - 28*	40 - 22	200.00	-	2.80 (kg)	519002
	63 - 36	50 - 28	200.00	-	5.70 (kg)	519003
	80 - 36	63 - 36	200.00	-	7.50 (kg)	519004
	80 - 36	80 - 36	200.00	-	7.50 (kg)	519005
	100 - 56	80 - 36	200.00	182.00	9.90 (kg)	519006

*D₂ = 49.50 mm



Ⓜ = Metric (mm)

IMPORTANT: Max spindle speed refers to maximum possible speed for an individual boring head and is not a recommended parameter. Refer to page B10-M: 12 for recommended application-specific parameters. Factory technical assistance is available for your specific applications through our Application Engineering department. [email: engineering.eu@alliedmachine.com](mailto:engineering.eu@alliedmachine.com)

⚠ WARNING Exceeding weight capacity for machine tool spindle and tool changer can cause machine damage and/or serious injury. To prevent:
 -Consult machine tool builder for machine's weight limitations.
 -Refer to example on page B10-M: 11 for calculating tool assembly weight
 Factory technical assistance is also available for specific applications through our Application Engineering department. [email: engineering.eu@alliedmachine.com](mailto:engineering.eu@alliedmachine.com)

⚠ WARNING Tool failure can cause serious injury. To prevent:
 -Do not exceed recommended 10xD length-to-diameter ratio or exceed 4 total components (including shank)
 -When using Alu-Line® components, do not exceed recommended 5xD length-to-diameter ratio
 -When using tool steel components, do not exceed recommended 6xD length-to-diameter ratio
 -When using heavy metal components, do not exceed recommended 8xD length-to-diameter ratio
 -When using a carbide shank, do not exceed recommended 9xD length-to-diameter ratio
 -When using a NOVI^{TECH} module, do not exceed recommended 10xD length-to-diameter ratio
 -Refer to examples on pages B10-M: 8-10 for calculating length-to-diameter ratio
 Factory technical assistance is available for your specific applications through our Application Engineering department. [email: engineering.eu@alliedmachine.com](mailto:engineering.eu@alliedmachine.com)