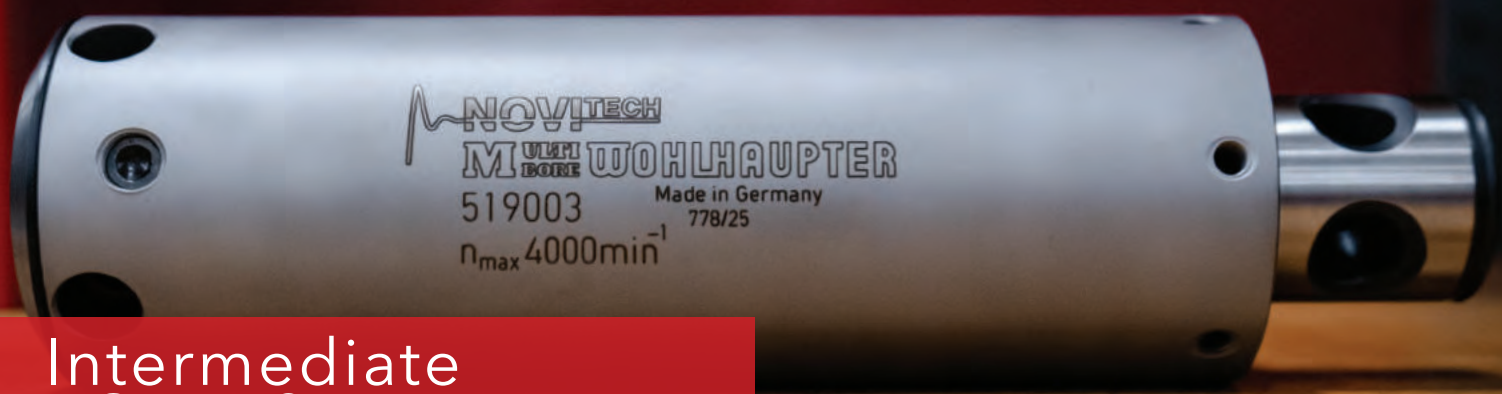
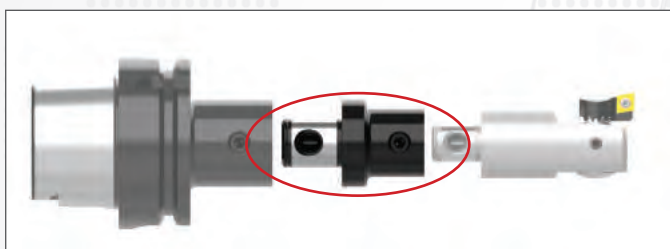


Intermediate Modules Product Overview



Intermediate MODULES

Reducers



Features:

- ▶ Improves rigidity by stepping-down to smaller MVS connection sizes
- ▶ Connects quickly and easily with the MVS connection
- ▶ Accommodates smaller diameter applications

Extensions



Features:

- ▶ Used to increase bore depth
- ▶ Connects quickly and easily with the MVS connection
- ▶ Aluminium components available to reduce stress on the spindle

WOHLHAUPTER® FINE BORING HEAD with NOVI^{TECH}®

Are you looking for more from your tooling?

After facing problems with chatter and chipping inserts, our customer, who machines fueling machine head rotors from ASTM A276 - 304L in the nuclear power industry, sought a better solution to their machining process.

The customer turned to Allied for help finding a new solution. Once the causes of insert failure and chatter were identified, our experienced team was able to create the best assembly suitable for the application. Using **Wohlhaupter's analogue balanced fine boring head** paired with the **NOVI^{TECH} vibration dampening module**, they were able to eliminate the issues our customers were facing.

With the previous tooling, the customer achieved only 12 minutes of tool life, but with Allied's Wohlhaupter assembly, they achieved more than four times the life for 65 minutes!

Allied's Wohlhaupter assembly improved the machining process by making it more consistent and saved the customer money by reducing the cost per hole. If you are looking to save time and money, **give us a call, and we will help you find the right solution.**



		Measure	Competitor Boring Head	Wohlhaupter Fine Boring Head with NOVI ^{TECH}
Product:	Wohlhaupter analogue balanced fine boring head with NOVI ^{TECH}	RPM	106	372
Objectives:	(1) Decrease cycle time (2) Improve process	Speed Rate	40 M/min	140 M/min
Industry:	Renewable energy/energy	Feed Rate	0.076 mm/rev	0.16 mm/rev
Part:	Nuclear fueling machine head rotor	Penetration Rate	9 mm/min	60 mm/min
Material:	ASTM A276-304L	Cycle Time	2 hr 10 min	17 min
Hole Ø:	120 mm	Tool Life	12 min	65 min
Hole Depth:	1040 mm	Wohlhaupter offered 93.32% cost per hole savings over the competitor tooling.		

- ▶ Analogue balanced fine boring head
- ▶ Boring insert
Item No. 297994WHC111
- ▶ NOVI^{TECH} vibration dampening intermediate module
Item No. 519004

*86.92%
cycle time reduction*



The Wohlhaupter boring head with the NOVI^{TECH} vibration dampening module provided:

- ✓ Increased penetration rate
- ✓ Decreased cycle time
- ✓ Increased tool life
- ✓ Decreased cost per hole