



SECO PRODUCT SUMMARY TOOLING SYSTEMS

OVERCOME TOOL OVERHANG CHALLENGES STEADYLINE®

TURNING | BORING | MILLING

Effectively machine difficult-to-access areas using long overhang tools, such as deep cavities or sections of large, complex monolithic workpieces where vibration often becomes an issue, using our patented Steadyline® passive dynamic damping system.

Steadyline® products include cost-effective milling holders as well as turning and boring bars, perform typical long overhang operations twice as fast as traditional tools. These highly productive vibration-damping solutions offer high metal removal rates, smooth part surface finishes and long tool life – all while reducing machine tool stress.

KEY BENEFITS

- Plug-and-play system
- Coolant through
- Vibration damping system
- Flexible & efficient tool changes
- BA & GL connections
- Cylindrical, Seco-Capto and HSK-T/A



STEADYLINE® BARS

- Available in over 75 standard models
- 1", 1.25", 1.50", 2.00", 2.50", 3.00" and 4.00" (ø32, ø40 ø50, ø60, ø80 and ø100 mm)
- 6xD, 8xD and 10xD
- Shank connection: Seco-Capto™, HSK-T/A and cylindrical



**COMPLETE
METALWORKING
SOLUTIONS**

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JETSTREAM TOOLING® GL TURNING HEADS

- More than 170 GL turning heads
- Available in three connection sizes: GL32, GL40, GL50
- Cutting directions: left and right
- Negative inserts for roughing: CN, DN, WN
- Positive inserts for finishing: CC, DC, TC, VB
- CBN inserts: RN, TN
- Heads for threading inserts
- Heads for MDT: 0.079" - 0.157" (2 - 4 mm) grooving with Jetstream Tooling®
- 40 Jet GL turning heads



BA-CONNECTIONS

- Available in three sizes: 2.50", 3.00" and 4.00" (ø60, ø80 and ø100 mm)
- Each has two offset sizes for lower bore sizes and additional chip space
- Flexibility for chip space and minimum bore diameter
- Uses existing GL50 turning heads for reduced tool inventory

BORING HEADS

- Suitable for boring applications up to 10xD
- Rough boring head - EPB® 610 - For diameters 1.41" - 4.56" (36 - 116 mm)
- Fine boring head - EPB® 620 - For diameters 1.34" - 4.52" (34 - 115 mm)
- Connection heads GL32, GL40, GL50, BA60 and BA80



MILLING HOLDERS

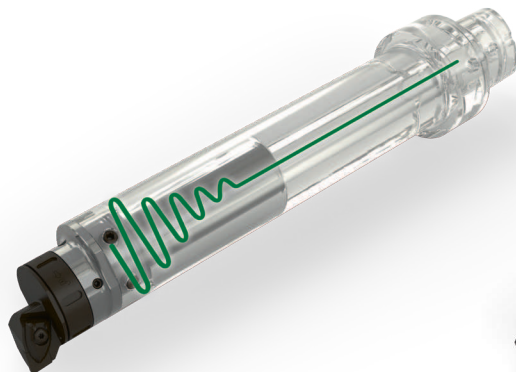
- Shell Mill holders 5555-5556 - Arbor: 0.63" - 1.574" (ø16 - ø40 mm)
- Combimaster™ connection size: M10 to M20



DAMPING SYSTEM

Inspired by technology used to protect skyscrapers from earthquake damage, Steadyline® vibration damping holders drastically improve the dynamic rigidity of milling, turning and boring assemblies. This allows the use of much higher cutting data, with quieter operation and optimum stability.

Through a patented passive-dynamic damping system, Steadyline® increases productivity, improves surface finish and boosts both tool and spindle life, reducing cost.



Holder with anti-vibration system



Conventional holder

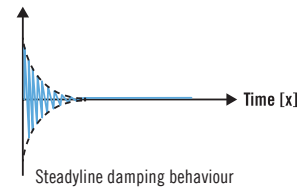
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TOOLING SYSTEMS

MACHINED WITH STEADYLINE®



Displacement [µm]



MACHINED WITH A CONVENTIONAL HOLDER, EQUIVALENT DIMENSION



Displacement [µm]

