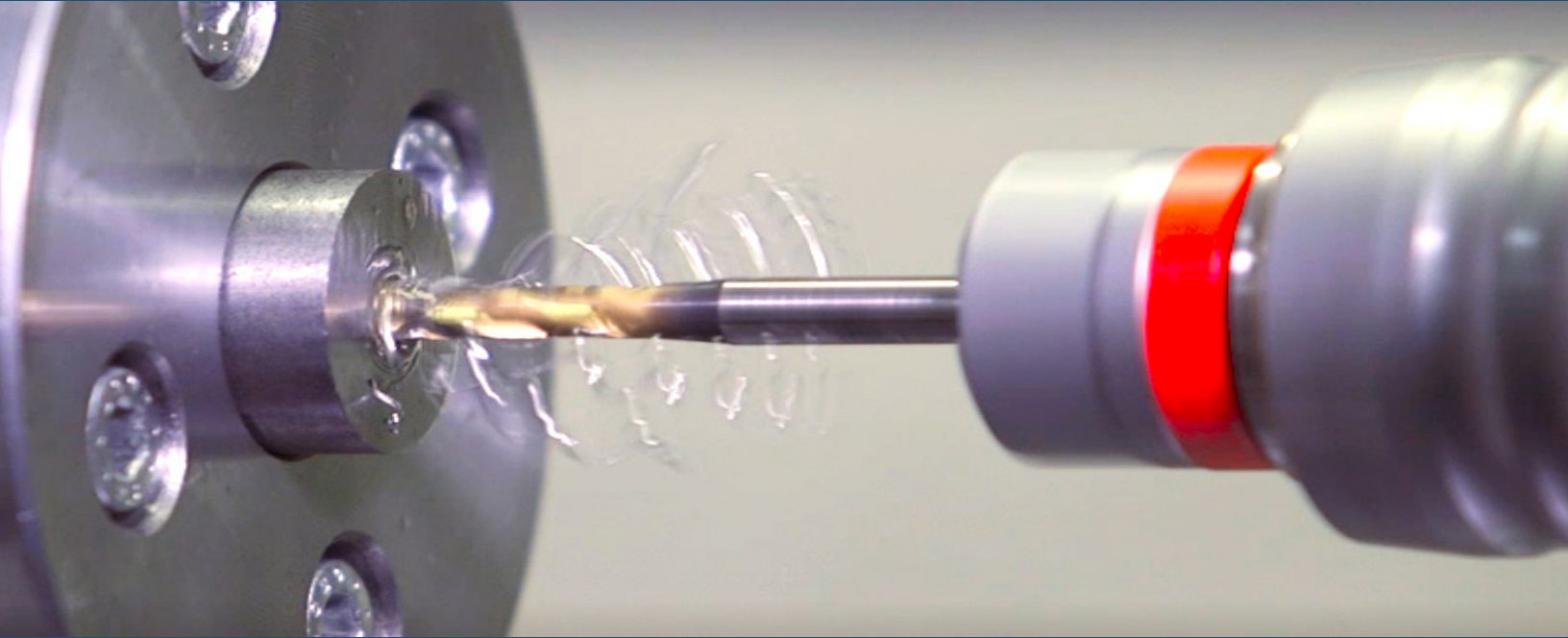




MICROFLOAT SYNCHRONIZED TAPPING



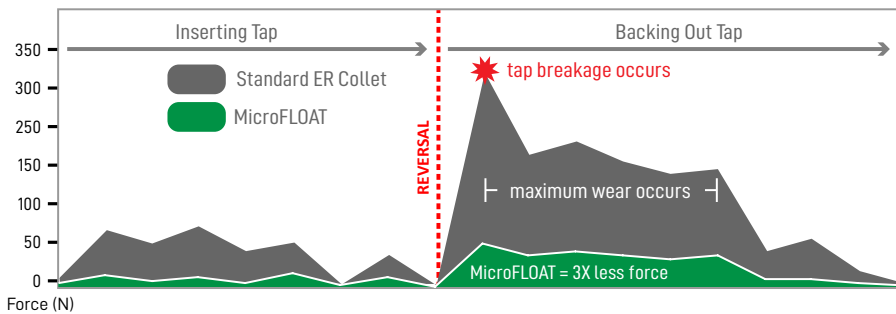
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MicroFLOAT synchronized tapping holders "cushion the blow" of the damaging effects caused by when the force placed upon your taps spike during the tapping cycle.

Limiting these effects ultimately provide unmatched stability and repeatability to help you get the most out of your rigid tapping system.

THIS GRAPH SHOWS HOW MICROFLOAT REDUCES STRESS ON THE TAP DURING TAPPING CYCLE.
SYNCHRONOUS FEED EASES THE TAP THROUGH THE WHOLE CYCLE, PREVENTING BREAKAGE.



Stop breaking so many taps.



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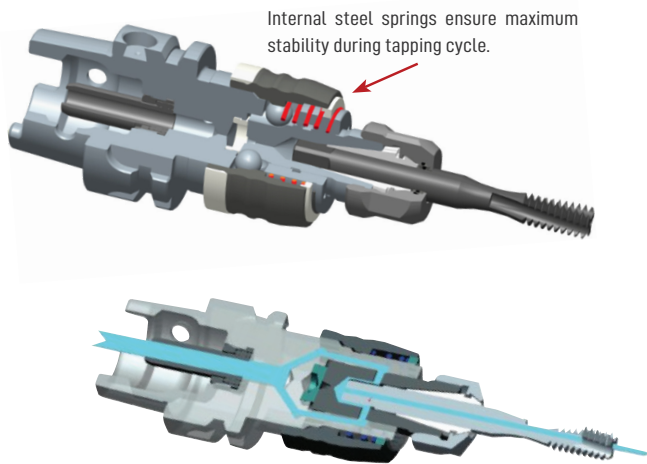
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MicroFLOAT's synchronous feed technology automatically corrects for mechanical variances, such as ballscrew play, spindle wear, or material irregularities to produce the truest possible threads and extends tap life.

Internal steel spring compensation allows 0.008" (.2mm) of compression and 0.040" (1mm) of tension, compensating for feed and RPM inaccuracies, and protecting the tap from premature wear and breaking.

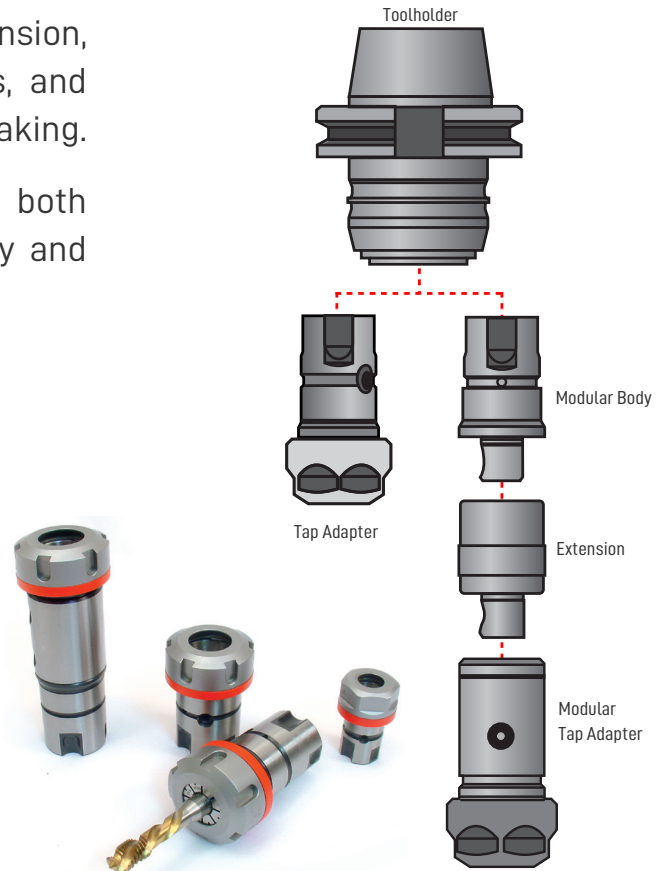
Because the tap follows the exact same path both in and out of the hole, optimum thread quality and maximum tap life is achieved.



High-pressure (50 Bar) coolant through is standard.

KEY TECHNOLOGY FEATURES

1. SYNCHRONOUS FEED
2. QUICK-CHANGE TAP ADAPTERS
3. MODULAR EXTENSIONS: UP TO 9"
4. COOLANT-THRU TECHNOLOGY



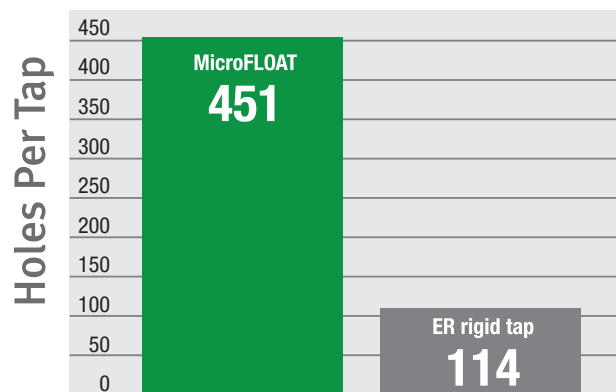
We compared an ER rigid tap holder to a MicroFLOAT holder. As shown in the graph, the savings are significant. MicroFLOAT yields 337 more threaded holes per tap, resulting in a 295% improvement!



TEST PERAMERTERS

Material: AISI 304
Coolant: 7% concentration
Cutting speed: 12m/min
Thread: M6; 12 mm depth
Tap: UFS, K82M6X-TXC

MICROFLOAT CASE STUDY: 295% MORE HOLES PER TAP.



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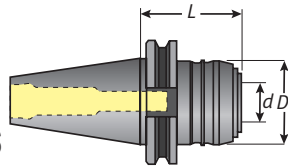


MICROFLOAT COMPONENTS

MicroFLOAT is an easy to use system that can be expanded to achieve lengths of 9" using modular extensions. Quick-change adapter makes tap replacement fast and easy.

MICROFLOAT CAN BE CONFIGURED THREE WAYS:

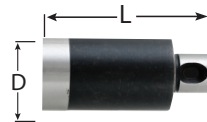
1. Using a holder with a quick-change tap adapter
2. Holder with a modular body and modular tap adapter
3. Holder with a modular body, extensions, and modular tap adapter



MICROFLOAT TOOLHOLDERS

| Part No. | Description | L | D | d |
|-------------|------------------------------|-------|-------|-------|
| 23400-40CAT | CAT40 holder #1 | 2.75" | 1.7" | 0.79" |
| 23600-40CAT | CAT40 holder #2 | 3.54" | 2.36" | 1.26" |
| 23400-50CAT | CAT50 holder #1 | 2.75" | 1.7" | 0.79" |
| 23600-50CAT | CAT50 holder #2 | 3.54" | 2.36" | 1.26" |
| 23400-30BT | BT30 holder #1 | 2.09" | 1.7" | 0.79" |
| 23400-40BT | BT40 holder #1 | 2.40" | 1.7" | 1.26" |
| 23600-40BT | BT40 holder #2 | 3.22" | 2.36" | 1.26" |
| 23400-H63A | HSK63A holder #1 | 2.52" | 1.7" | .79" |
| 23400-INC1 | 1" Straight Shank holder # 1 | 1.3" | 1.7" | 0.79" |
| 23600-INC1 | 1" Straight Shank holder # 2 | 2.13" | 2.36" | 1.26" |

MODULAR EXTENSIONS



| Part No. | Description | L | D | Chuck |
|-----------|----------------------|-------|-------|----------|
| 42150-25 | 1" Mod. Extension #1 | .98" | .91" | 23400-.. |
| 42150-50 | 2" Mod. Extension #1 | 1.97" | .91" | 23400-.. |
| 42250-50 | 2" Mod. Extension #2 | 1.97" | 1.38" | 23600-.. |
| 42250-100 | 4" Mod. Extension #2 | 3.94" | 1.38" | 23600-.. |

QUICK-CHANGE TAP ADAPTERS



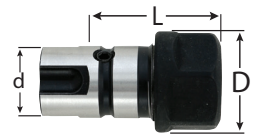
MODULAR EXTENSIONS ACHIEVE LENGTHS UP TO 9"



QUICK-CHANGE TAP ADAPTER

ER16 fits taps up to 3/8"

ER25 fits taps up to 11/16"



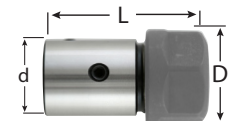
| Part No. | Description | L | D | d |
|------------|---------------------|-------|-------|-------|
| 23410-ER16 | ER16 tap adapter #1 | 2.16" | 1.10" | .79" |
| 23610-ER25 | ER25 tap adapter #2 | 3.39" | 1.65" | 1.27" |

MODULAR BODY



| Part No. | Description | L | D | d |
|-----------|-------------------------|------|-------|-------|
| 23411-MOD | Mod. Body MicroFLOAT #1 | .20" | .91" | .79" |
| 23611-MOD | Mod. Body MicroFLOAT #2 | .28" | 1.38" | 1.26" |

ER MODULAR TAP ADAPTERS



| Part No. | Description | L | D | d |
|------------|----------------------|-------|-------|-------|
| 42147-ER16 | ER16 Mod. Adapter #1 | 1.97" | 1.10" | .91" |
| 42247-ER25 | ER25 Mod. Adapter #2 | 3.11" | 1.65" | 1.38" |



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