INGERSOLL is expanding the Hyper-Round endmill family by introducing short, 4-flute endmills with differential helix (35° & 37°) and variable pitch for chatter dampening. The new 47C_RQ (stub) endmills were designed for very high material removal rates, roughing and finishing operations and are capable of machining full slots of up to 1xD.

The 47C_RQ (Stub) endmills are available in .125" to 1.000" and 6mm to 20mm in diameter. They are made from grade IN2505, a tough submicron substrate with a hard PVD coating that provides substantially improved tool life and reliability. Recommended for hardened steel and milling alloy steel at moderate to high cutting speeds.

The 47C_RQ (Stub) endmills also feature an economical price due to their short cutting edges that reduce production costs.
## SERIES 47C_RQ

Short, 4-Flute Endmills: Differential Helix and Variable Pitch

### INCH

<table>
<thead>
<tr>
<th>Cutter Number</th>
<th>Helix (deg)</th>
<th>D1 Diameter</th>
<th>Z Flutes</th>
<th>C Chamfer</th>
<th>L3 Overall Length</th>
<th>L1 Cut Length</th>
<th>D2 Shank Size/Style</th>
<th>Maximum Ramp Angle</th>
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<th>D1 Diameter</th>
<th>Z Flutes</th>
<th>C Chamfer</th>
<th>L3 Overall Length</th>
<th>L1 Cut Length</th>
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