



Diameters:
.125" - 1.000"
6mm - 20mm

Overall Length:
1.00" - 4.00"
50mm - 92mm

No of Flutes:
4

Helix Angle:
35° & 37°

Corner:
45° chamfer

Carbide Grade:
IN2505



Hyper-Round Solid Carbide Endmills are Expanding with a New Family

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.

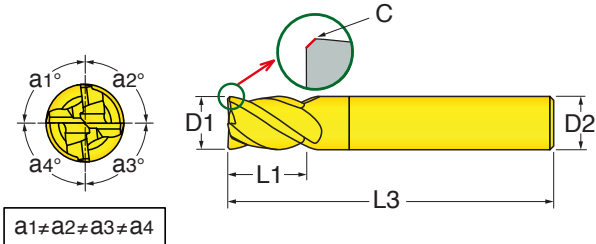
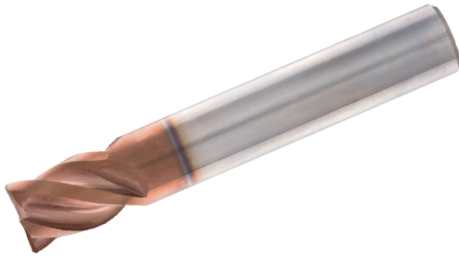
The 47C_RQ (Stub) endmills also feature an economical price due to their short cutting edges that reduce production costs.



HYPERROUNDS™

SERIES 47C_RQ

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



INCH

Cutter Number	Helix (deg)	D1 Diameter	Z Flutes	C Chamfer	L3 Overall Length	L1 Cut Length	D2 Shank Size/Style	Maximum Ramp Angle
47C-1212R4RQ00 IN2505	35 - 37	.125	4	.006 x 45°	1.000	.125	.125 Cylindrical	5.0
47C-1818R5RQ00 IN2505	35 - 37	.188	4	.008 x 45°	2.000	.188	.188 Cylindrical	5.0
47C-2525R6RQ01 IN2505	35 - 37	.250	4	.010 x 45°	2.000	.250	.250 Cylindrical	5.0
47C-3131R7RQ01 IN2505	35 - 37	.312	4	.012 x 45°	2.000	.312	.312 Cylindrical	5.0
47C-3737R8RQ01 IN2505	35 - 37	.375	4	.016 x 45°	2.000	.375	.375 Cylindrical	5.0
47C-373777RQ01 IN2505	35 - 37	.375	4	.016 x 45°	2.000	.375	.375 Weldon	5.0
47C-5050S4RQ02 IN2505	35 - 37	.500	4	.020 x 45°	3.000	.500	.500 Cylindrical	5.0
47C-505078RQ02 IN2505	35 - 37	.500	4	.020 x 45°	3.000	.500	.500 Weldon	5.0
47C-6262S6RQ02 IN2505	35 - 37	.625	4	.023 x 45°	3.000	.625	.625 Cylindrical	5.0
47C-626279RQ02 IN2505	35 - 37	.625	4	.023 x 45°	3.000	.625	.625 Weldon	5.0
47C-7575S7RQ02 IN2505	35 - 37	.750	4	.023 x 45°	4.000	.750	.750 Cylindrical	5.0
47C-757584RQ02 IN2505	35 - 37	.750	4	.023 x 45°	4.000	.750	.750 Weldon	5.0
47C-1010S1RQ02 IN2505	35 - 37	1.000	4	.023 x 45°	4.000	1.000	1.000 Cylindrical	5.0
47C-101080RQ02 IN2505	35 - 37	1.000	4	.023 x 45°	4.000	1.000	1.000 Weldon	5.0

METRIC

Cutter Number	Helix (deg)	D1 Diameter	Z Flutes	C Chamfer	L3 Overall Length	L1 Cut Length	D2 Shank Size/Style	Maximum Ramp Angle
47C00606T7RQ25 IN2505	35 - 37	6mm	4	3mm x 45°	50.00	6.000	6mm Cylindrical	5.0
47C00606WERQ25 IN2505	35 - 37	6mm	4	3mm x 45°	50.00	6.000	6mm Cylindrical	5.0
47C00808TORQ30 IN2505	35 - 37	8mm	4	3mm x 45°	63.00	8.000	8mm Cylindrical	5.0
47C00808W0RQ30 IN2505	35 - 37	8mm	4	3mm x 45°	63.00	8.000	8mm Cylindrical	5.0
47C01010T1RQ40 IN2505	35 - 37	10mm	4	4mm x 45°	66.00	10.000	10mm Cylindrical	5.0
47C01010W1RQ40 IN2505	35 - 37	10mm	4	4mm x 45°	66.00	10.000	10mm Weldon	5.0
47C01212T2RQ50 IN2505	35 - 37	12mm	4	5mm x 45°	73.00	12.000	12mm Cylindrical	5.0
47C01212W2RQ50 IN2505	35 - 37	12mm	4	5mm x 45°	73.00	12.000	12mm Weldon	5.0
47C01616T3RQ60 IN2505	35 - 37	16mm	4	6mm x 45°	82.00	16.000	16mm Cylindrical	5.0
47C01616W3RQ60 IN2505	35 - 37	16mm	4	6mm x 45°	82.00	16.000	16mm Weldon	5.0
47C02020T4RQ60 IN2505	35 - 37	20mm	4	6mm x 45°	92.00	20.000	20mm Cylindrical	5.0
47C02020W4RQ60 IN2505	35 - 37	20mm	4	6mm x 45°	92.00	20.000	20mm Weldon	5.0