BESSEY® Industrial Cutting Fluids

Relton Rapid Tap Cutting Fluid

Simply better.

Rapid Tap from Relton is the best! How can we make this claim? Labratory tests measuring the amount of torque required to tap 1/4-20 holes in both mild & stainless steels were conducted. Rapid Tap required less average torque then any other brand tested. It's more than your best bet...it's a sure thing!

Features & Benefits

- Non-flammable, non-toxic & ozone friendly; No 1,1,1 Trichloroethane
- Extremely effective on tough to machine metals and alloys like: beryllium, bronze, brass, cast iron, copper, inconel, magnesium, molybdenum, stainless steel and stellite
- 5 sizes available

Catalog Number	Unit/Container Imperial/Metric
RT114	4 oz/118 ml
RT455	16 oz/455 ml
RT4	1 gal/3.8 L
RT20	5 US gal/18.925 L
RT205	45 gal/170.325 L

Bessey Tools North America
1-800-828-1004 · Fax (519) 621-3442

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THE REAL STORY on non-1,1,1 metal cutting fluids

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The Test:

Objective: Quantify torque in inch pounds required to tap 1/4-20 holes in mild & stainless steels using 10 of the leading brands of non-1,1,1, metal cutting fluids

Test Procedure: Each of the 10 fluids tested were used to assist in the tapping of 10 holes in each of the metals. 200 holes in all. New 1/4-20 taps from the same manufacturer were used with each fluid in each metal. All other test conditions were constant.

Results:

Rapid Tap required less average torque in both mild & stainless steels than any of the nine other leading competitive brands of clutting fluid.

In mild steel, *Rapid Tap* required 37.2% less torque than that required by the others.

In stainless steel, *Rapid Tap* required 18.2% less torque than that required by the others.

Conclusion: By test... *Rapid Tap* is more than your best bet...*It's a sure thing!*

Mild Steel

TEST SPECIFICATIONS
- New 4 flute tap in test of each fluid
- 1/4-20 tap
- #7 hole size
- 1/4 mild steel material

Inch Pounds of Torque to tap 1/4-20 holes

Competitive Brands	Maximum Torque in 10 holes	Minimum Torque in 10 holes	Average Torque in 10 holes
a	73.25	53.75	64.98
b	92.50	33.00	64.75
c	67.75	50.75	59.93
d	71.00	44.00	53.58
e	55.75	31.50	49.38
f	61.00	42.00	49.03
g	55.75	38.00	47.70
h	61.25	35.75	44.93
i	57.00	29.00	40.10
Competitive Average	66.14	39.75	52.71
Rapid Tap Average	40.25	28.25	33.08

(37.2% less than the competitive average)

Stainless Steel

TEST SPECIFICATIONS
- New 2 flute gun tap in test of each fluid
- 1/4-20 tap
- #7 hole size
- 1/4 stainless steel material

Inch Pounds of Torque to tap 1/4-20 holes

Competitive Brands	Maximum Torque in 10 holes	Minimum Torque in 10 holes	Average Torque in 10 holes
a	56.75	24.00	34.68
b	44.25	24.75	31.10
c	29.75	24.25	26.50
d	27.75	24.00	25.53
e	27.00	24.50	25.45
f	27.75	22.00	25.10
g	27.50	22.25	24.13
h	27.00	19.50	22.75
i	23.75	19.25	21.70
Competitive Average	32.39	22.72	26.33
Rapid Tap Average	22.75	20.25	21.55

(18.2% less than the competitive average)

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