

Use this number when searching for this item:

## 9038990019700

### Drill, 1.97mm, Type N, Micro Precision, Carbide, TiAlN



#### >> Item Info

EDP #	9038990019700
Series	3899
Order Code	1.970
Coating	TiAlN
Coolant Through	No
Cutting Direction	RH
Drilling Depth	Variable
Material	Carbide
Point Angle	140°
Shank	Straight
Type	Micro Precision
Tolerance	h7

#### >> Features

- facet point grind

#### >> Suggested Materials

- Alloyed Steels
- Free Cutting Steels
- Tool Steels
- Cast Iron
- Hardened Steels

#### >> Technical Specs



EDP #	Code No.	Cut Ø	Cut Ø	Cut Ø	Cut Ø	Shank Ø	OAL	Flute Length	Drilling Depth	Drilling Depth	Shank Type	Flutes
		d1	d1	d1	d1	d2	l1	l2	tmax	tmax		
		mm	inch	frac.	wire / letter	mm	mm	mm	mm	inch		
9038990019700	1.970	1.970	0.0776			3.000	38.00	12.00	9.05	0.356	Straight	2



**WARNING:**  
This product contains Cobalt, a chemical known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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